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RESPONSIVE REGENERATION

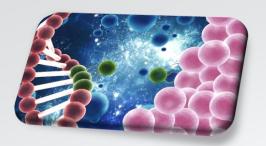
Don't needlessly live with chronic pain and debilitation



PROACTIVE REGENERATION

Don't wait until you lose mobility or peak performance

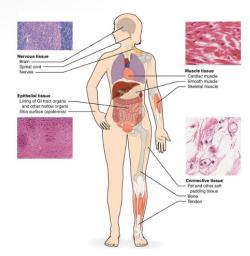




Understand the science

We only have 4 types of tissue in our bodies.

An ideal solution heals and repairs all 4 tissue types.



Safety + Efficacy

Focus on regenerative messages





Regenerative Message Expression



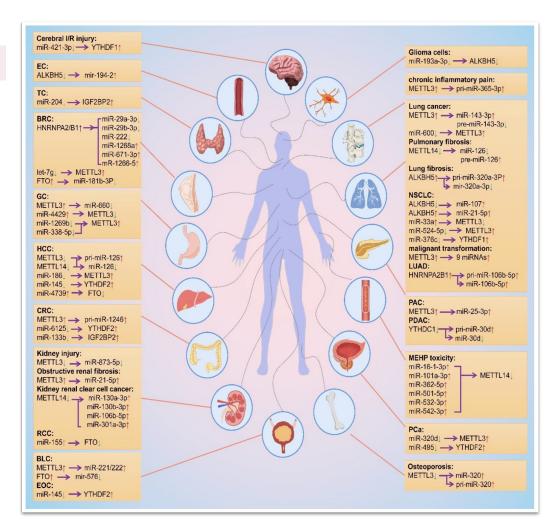
EGFR

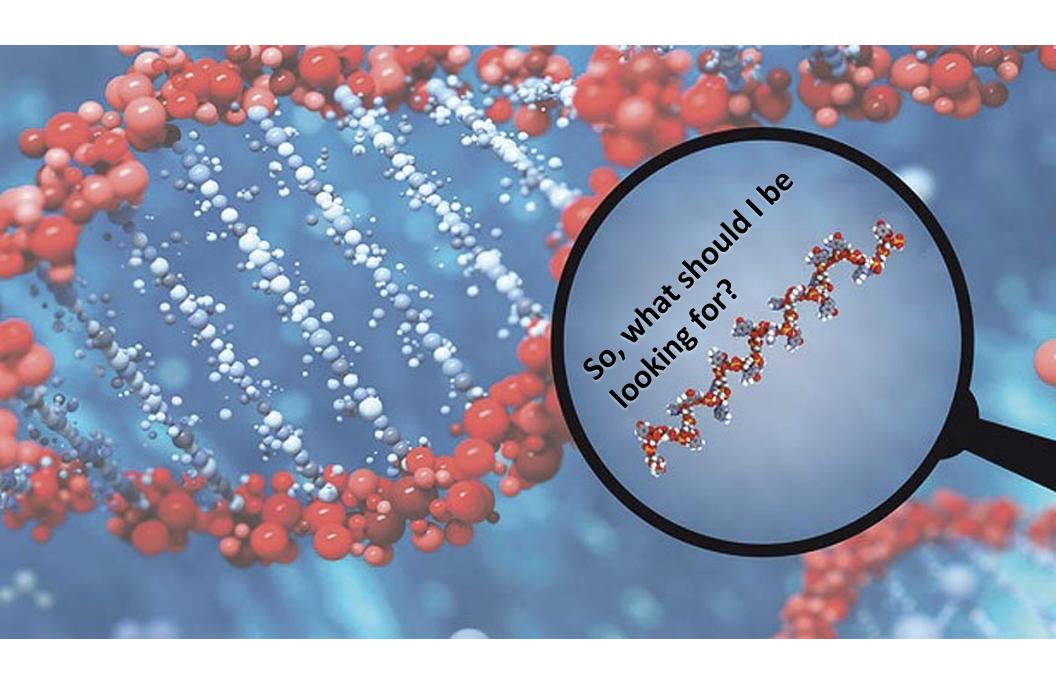
Regenerative Message Expression

Regenerative messages are not biologically idiosyncratic and they always perform specific natural functions within our bodies when they encounter areas that require healing or repair. Put nature back safely - in its entirety - and your body will do the rest.

Focus on the Science

Stem cells at peak youth produce > 300 unique messages that are responsible for healing and growth. These messages consist in mRNA, miRNA, and proteins (among other components), which actually "do the work" of healing and growth. Moreover, these components (e.g. miRNA) have been mapped to specific areas of our physiology. We know where they fit and how they function.





An ideal product will be sourced from regulated donor services – multivariate testing.

Serology conducted by FDA licensed, accredited labs.

miRNA	Symbol	Gene Summary Regulation	National Library of Medicine Ref	Ideal Product	Wharton's Jelly	Amnion	PRP	Bone Marrow	~ ng/ml	~ μg/ml
miR-5011-5p	AR	Hormones	https://pubchem.ncbi.nlm.nih.gov/gene/367		×	×	×	×	25-100+	1-100³
miR-4531	BMP-2	Bone, cartilage	https://pubchem.ncbi.nlm.nih.gov/gene/650			×	×	×	25-100+	1-100³
miR-6867-5p	BMP-4	Heart	https://pubchem.ncbi.nlm.nih.gov/gene/652		×	×	×	×	25-100+	1-100³
miR-6867-5p	BMP-5	Metabolism	https://pubchem.ncbi.nlm.nih.gov/gene/653		×	×	×	×	25-100+	1-100³
miR-1185-2-3p	BMP-7	Bone, cartilage and muscle	https://pubchem.ncbi.nlm.nih.gov/gene/655			×	×		25-100+	1-100³
miR-302e	GDF-11	Nervous, organ systems, aging	https://pubchem.ncbi.nlm.nih.gov/gene/10220		×	×	×	×	25-100+	1-100³
miR-499b-5p	GDF-15	Inflammation, cell repair, growth, oxid stress	https://pubchem.ncbi.nlm.nih.gov/gene/9518				×	×	25-100+	1-100³
miR-32-3p	NTF-3	Central nervous system	https://pubchem.ncbi.nlm.nih.gov/gene/4908		×	×	×	×	25-100+	1-100³
miR-8070	NTF-4	Peripheral nervous system	https://pubchem.ncbi.nlm.nih.gov/gene/4909		\square	×	×	×	25-100+	1-100³
miR-3942-3p	TGFa	Gastrointestinal	https://pubchem.ncbi.nlm.nih.gov/gene/7039	\square	×	×	×	×	25-100+	1-100³
miR-663a	TGF-ß1	Growth regulation	https://pubchem.ncbi.nlm.nih.gov/gene/7040		×	×	×	×	25-100+	1-100³
miR-6783-5p	TGF-ß3	Inflammation and immune system	https://pubchem.ncbi.nlm.nih.gov/gene/7043		\checkmark		\checkmark		25-100+	1-100³
miR-643	PIGF	Growth	https://pubchem.ncbi.nlm.nih.gov/gene/5228		\square	×	×	×	25-100+	1-100³
miR-1277-5p	VEGFA	Vasculature, inflammation regulation	https://pubchem.ncbi.nlm.nih.gov/gene/7422		×	×	×	×	25-100+	1-100³
miR-410-3p	VEGF R2	Endothelial modulation	https://pubchem.ncbi.nlm.nih.gov/gene/3791	\square	×	×	×	×	25-100+	1-100³
miR-16-5p	VEGF R3	Vasculature, organ systems	https://pubchem.ncbi.nlm.nih.gov/gene/2324			×	×	×	25-100+	1-100³
miR-5692a	IL-1RA	Auto-immune	https://pubchem.ncbi.nlm.nih.gov/gene/3552			×	×	×	25-100+	1-100³
miR-11181-5p	IL-6	Auto-immune B cells	https://pubchem.ncbi.nlm.nih.gov/gene/3569		×	×	×	×	25-100+	1-100³
miR-379-3p	IL-10	Immunoregulator intestinal tract	https://pubchem.ncbi.nlm.nih.gov/gene/3586		×	×	×	×	25-100+	1-100³
miR-545-5p	IL-12	Inflammation and macrophage modulation	https://pubchem.ncbi.nlm.nih.gov/gene/3593			×	×	×	25-100+	1-100³
miR-5692a	TNF-RI	Tumor suppressor	https://pubchem.ncbi.nlm.nih.gov/protein/Q15628	\square	×	×	×	×	25-100+	1-100³
miR-4263	TNF-RII	Apoptosis	https://pubchem.ncbi.nlm.nih.gov/gene/7133		×		\checkmark		25-100+	1-100³

An ideal product will have DNA removed to ensure homologous use.

Third-party
diagnostics can
validate that the
cell expressions
(messages) are >
300, mimicking
peak youth.

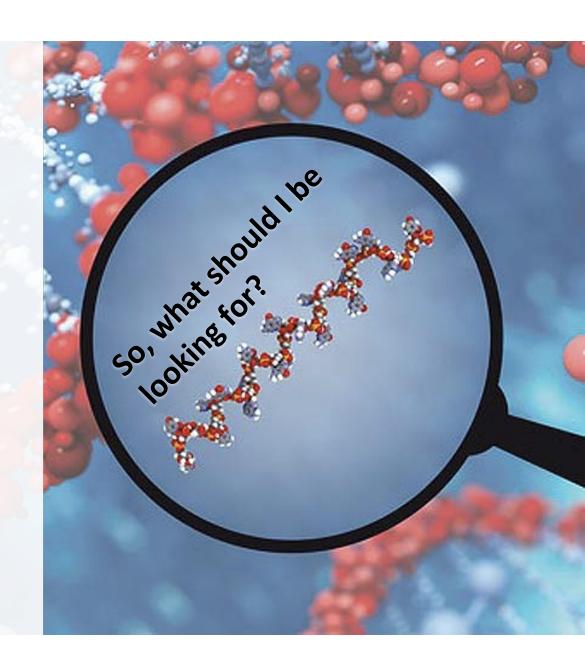
miRNA	Symbol	Gene Summary Regulation	National Library of Medicine Ref	Ideal Product	Wharton's Jelly	Amnion	PRP	Bone Marrow	~ ng/ml	~ μg/ml
miR-6835-3p	PDGF-A	Platelet and vasculature growth	https://pubchem.ncbi.nlm.nih.gov/gene/5154		\square	×	×		25-100+	1-100³
miR-6867-5p	PDGF-B	Modulates soft and hard tissues	https://pubchem.ncbi.nlm.nih.gov/gene/5155			×	×	×	25-100+	1-100³
miR-1293	TIMP-1	Cell health, cytokine activity	https://pubchem.ncbi.nlm.nih.gov/gene/7076		×	×	×	×	25-100+	1-100³
miR-544a	TIMP-2	Cartilage and extracellular matrix	https://pubchem.ncbi.nlm.nih.gov/gene/7077						25-100+	1-100³
miR-4714-3p	HGF	Liver	https://pubchem.ncbi.nlm.nih.gov/gene/3082			×	×	×	25-100+	1-100³
miR-6832-3p	GDNF	Nerve survival	https://pubchem.ncbi.nlm.nih.gov/gene/2668		×	×	×	×	25-100+	1-100³
miR-3121-3p	BDNF	Central nervous system	https://pubchem.ncbi.nlm.nih.gov/gene/627		×	×	×	×	25-100+	1-100³
miR-5692a	FGF-4	Soft tissue repair	https://pubchem.ncbi.nlm.nih.gov/gene/2249		×	×	×	×	25-100+	1-100³
miR-126-5p	FGF-7	Collagen and connective tissue	https://pubchem.ncbi.nlm.nih.gov/gene/2252					×	25-100+	1-100³
miR-190a-3p	IGFBP-1	IGF binding protein	https://pubchem.ncbi.nlm.nih.gov/gene/3484			×	×	×	25-100+	1-100³
miR-3667-3p	IGFBP-2	T-cell	https://pubchem.ncbi.nlm.nih.gov/gene/3485		×	×	×	×	25-100+	1-100³
miR-374a-5p	IGFBP-3	Smooth muscle	https://pubchem.ncbi.nlm.nih.gov/gene/3486		×	×	×	×	25-100+	1-100³
miR-4271	IGFBP-4	B-cell pancreas	https://pubchem.ncbi.nlm.nih.gov/gene/3487		×	×	×	×	25-100+	1-100³
miR-1226-5p	IGFBP-6	Anti-tumorigenic	https://pubchem.ncbi.nlm.nih.gov/gene/3489		×	×	×	×	25-100+	1-100³
miR-1297	PTEN	Tumor suppressor	https://pubchem.ncbi.nlm.nih.gov/gene/5728		×	×	×	×	25-100+	1-100³
miR-3121-3p	CSF3	Bone marrow and stem cells	https://pubchem.ncbi.nlm.nih.gov/gene/1440		×	×	×		25-100+	1-100³
miR-4795-3p	CCR1	White blood cells	https://pubchem.ncbi.nlm.nih.gov/gene/1230		\square	×	×		25-100+	1-100³
miR-3671	MIGA1	Mitochondria	https://pubchem.ncbi.nlm.nih.gov/gene/374986			×	×	×	25-100+	1-100³
miR-6825-5p	NGFR	Nerve growth	https://pubchem.ncbi.nlm.nih.gov/gene/4804		×	×	×	×	25-100+	1-100³
miR-141-5p	EGFR	Skin collagen	https://pubchem.ncbi.nlm.nih.gov/gene/1956			\checkmark		\checkmark	25-100+	1-100³
miR-374a-5p	GH	Multi-tissue growth and metabolism	https://pubchem.ncbi.nlm.nih.gov/gene/2688		×	×	×	×	25-100+	1-100³
miR-6867-5p	IGF-1	Cell growth	https://pubchem.ncbi.nlm.nih.gov/compound/16131429		×	×	×	×	25-100+	1-100³

Safe

Homologous

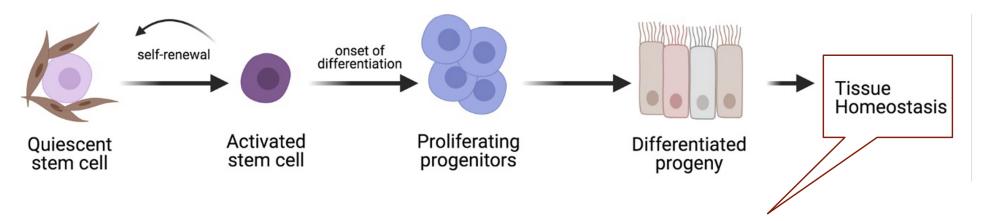
Efficacious

Messages (not Cells)



What to expect?

Not miracles. Just nature.



Tissue Homeostasis
(aka rejuvenation, regeneration, revitalization)
is what the science has proven possible.