

## Product datasheet for **TP723095**

### FGF20 (NM\_019851) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human fibroblast growth factor 20 (FGF20).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	PLAEVGGFLG GLEGLGQQVG SHFLLPPAGE RPPLLGERRS AAERSARGGP GAAQLAHLHG ILRRRQLYCR TGFHLQILPD GSVQGTRQDH SLFGILEFIS VAVGLVSIRG VDSGLYLGMN DKGELYGSEK LTSECFREQ FEENWYNTYS SNIYKHGDTG RRYFVALNKD GTPRDGARSK RHQKFTHFLP RPVDPERVPE LYKDLLMYT
Tag:	Tag Free
Predicted MW:	23.2 kDa
Concentration:	lot specific
Purity:	>90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED50 is $\leq 5$ ng/ml in the presence of 1 $\mu$ g/ml heparin, corresponding to a specific activity of $\geq 2 \times 10^5$ units/mg.
Endotoxin:	Endotoxin level is $< 0.1$ ng/ $\mu$ g of protein ( $< 1$ EU/ $\mu$ g)
Storage:	Store at $-80^{\circ}\text{C}$ .
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_062825</a>
Locus ID:	26281
UniProt ID:	<a href="#">Q9NP95</a>
RefSeq Size:	1016
Cytogenetics:	8p22
RefSeq ORF:	633
Synonyms:	FGF-20; RHDA2



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**Summary:** The protein encoded by this gene is a member of the fibroblast growth factor family. The fibroblast growth factors possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene product is a secreted neurotrophic factor but lacks a typical signal peptide. It is expressed in normal brain, particularly the cerebellum, and may regulate central nervous system development and function. Homodimerization of this protein was shown to regulate its receptor binding activity and concentration gradient in the extracellular matrix. Genetic variations of this gene have been associated with Parkinson disease susceptibility. [provided by RefSeq, Oct 2009]

**Protein Families:** Secreted Protein

**Protein Pathways:** MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton