

FGF18 (Human) Recombinant Protein

Catalog # P8623 Size 2 x 10 ug

Specification

Product Description	Human FGF18 partial recombinant protein with His tag in N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MKHHHHHHASEENVDFRIHVENQTRARDDVSRKQLRLYQLYSRTSGKHIQVLGRRISARGEDGDK YAQLLVETDTFGSQVRIKGKETEFYLCMNRKGKLVGKPDGTSKECVFIEKVLENNYTALMSAKYS GWYVGFTKKGRPRKGPKTRENQQDVHFMKRYPKGQPELQKPFKYTTVTKRSRRIRPHTPA
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	22.3
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as determined by densitometric image analysis.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4, 5% w/v trehalos. Reconstitute the lyophilized powder in ddH ₂ O to 0.5 mg/mL, and is not sterile! Please filter the product by a sterile filter before use.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots at 4°C for 2 weeks. Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — FGF18

Entrez GeneID	8817
Protein Accession#	O76093

Gene Name	FGF18
Gene Alias	FGF-18, ZFGF5
Gene Description	fibroblast growth factor 18
Omim ID	603726
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members 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. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures. [provided by RefSeq]
Other Designations	-

Pathway

- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Abnormalities](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Tooth Abnormalities](#)