

Recombinant Full Length Human FGF18 Protein, GST-tagged

Cat. No. FGF18-4817HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGF18 full-length ORF (AAH06245, 29 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	207 amino acids
Description	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
Molecular Mass	45.43 kDa
AA Sequence	ENVDFRIHVENQTRARDDVSRKQLRLYQLYSRTSGKHIQVLGRRISARGEDGDKYA QLLVETDTFGSQVRIKGKETEFYLCMNRKGKLVGKPDGTSKECVFIEKVLENNYTAL MSAKYSGWYVGFTKKGRPRKGPKTRENQQDVHFMKRYPKGQPELQKPFKYTTVT

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	KRSRRIRPTHPA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FGF18 fibroblast growth factor 18 [Homo sapiens]
Official Symbol	FGF18
Synonyms	FGF18; fibroblast growth factor 18; FGF 18; ZFGF5; FGF-18;
Gene ID	8817
mRNA Refseq	NM_003862
Protein Refseq	NP_003853
MIM	603726
UniProt ID	O76093

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