

# Recombinant Full Length Human FGF18 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human FGF18 full-length ORF ( AAH06245, 29 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	207 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	45.43 kDa
<b>AA Sequence</b>	<p>ENVDFRIHVENQTRARDDVSRKQLRLYQLYSRTSGKHIQVLGRRISARGEDGDKYA            QLLVETDTFGSQVRIKGGKETFYLCMNRKGKLVGKPDGTSKECVFIEKVLNNYTAL            MSAKYSGWYVGFTHKGRPRKGPKTRENNQDVHFMKRYPKGQPELQKPFKYTTVT</p>

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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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