Recombinant Human FGF18 Protein (28-207), N-hFc-tagged

Cat. No. FGF18-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF-18 protein (aa 28-207) fused to the N-terminus of the Fc region of human IgG1 was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	28-207
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.
Molecular Mass	~60 kDa (SDS-PAGE)
Endotoxin	<5 EU/mg purified protein (LAL test; Lonza).
Purity	≥ 98% (SDS-PAGE)

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Stability	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Storage	Short Term Storage: +4 centigrade Long Term Storage: -20 centigrade
Storage Buffer	Lyophilized from 0.2 μm-filtered solution in PBS.
Reconstitution	Reconstitute 50 μg vial in 50 μL sterile water to a concentration of 1 mg/mL. Add 1 × PBS to the desired protein concentration.
Handling	After opening, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Shipping	BLUE ICE

GENE INFORMATION

Gene Name	FGF18 fibroblast growth factor 18 [Homo sapiens (human)]
Official Symbol	FGF18
Synonyms	FGF18; fibroblast growth factor 18; ZFGF5; FGF-18; fibroblast growth factor 18
Gene ID	8817
mRNA Refseq	NM_003862.3
Protein Refseq	NP_003853.1

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MIM	603726
UniProt ID	O76093

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