Recombinant Rat Fgf18 protein, His/S-tagged

Cat. No. Fgf18-185R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgf18 fused with His/S tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	FGF18 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.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	Fgf18 fibroblast growth factor 18 [Rattus norvegicus]

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Official Symbol	Fgf18
Synonyms	FGF18; fibroblast growth factor 18; FGF-18;
Gene ID	29369
mRNA Refseq	NM_019199
Protein Refseq	NP_062072
UniProt ID	O88182
Chromosome Location	10q12
Pathway	Endochondral Ossification, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Melanoma, organism-specific biosystem; Melanoma, conserved biosystem; Pathways in cancer, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific biosystem;
Function	fibroblast growth factor receptor binding; growth factor activity; type 1 fibroblast growth factor receptor binding; type 2 fibroblast growth factor receptor binding;

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