Recombinant Rat Fgf10 protein, His/S-tagged

Cat. No. Fgf10-197R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgf10 fused with His/S tag was expressed in E. coli.
Species	Rat
Source	E.coli
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. This protein exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of lim bud formation. This gene is also implicated to be a primary factor in the process of wound healing.
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

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Gene Name	Fgf10 fibroblast growth factor 10 [Rattus norvegicus]
Official Symbol	Fgf10
Synonyms	FGF10; fibroblast growth factor 10; FGF-10;
Gene ID	25443
mRNA Refseq	NM_012951
Protein Refseq	NP_037083
UniProt ID	P70492
Chromosome Location	2q15
Pathway	Developmental Biology, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1b ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2b ligand binding and activation, organism-specific biosystem;
Function	chemoattractant activity; chemoattractant activity; fibroblast growth factor receptor binding; fibroblast growth factor receptor binding; fibroblast growth factor receptor binding; growth factor activity; growth factor activity; heparin binding; heparin binding; type 2 fibroblast growth factor receptor binding; type 2 fibroblast growth factor receptor binding;

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