

Recombinant Mouse Fgf10 protein, His/S-tagged

Cat. No. Fgf10-196M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Mouse Fgf10 fused with His/S tag was expressed in E. coli.

Species Mouse

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 limb 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 [Mus musculus]
Official Symbol	Fgf10
Synonyms	FGF10; fibroblast growth factor 10; keratinocyte growth factor 2; Fgf-10; BB213776;
Gene ID	14165
mRNA Refseq	NM_008002
Protein Refseq	NP_032028
UniProt ID	O35565
Chromosome Location	13 D2.3; 13 67.14 cM
Pathway	Developmental Biology, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; ESC Pluripotency Pathways, 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;
Function	chemoattractant activity; chemoattractant activity; fibroblast growth factor receptor binding; growth factor activity; heparin binding; protein binding; type 2 fibroblast growth factor receptor binding;

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