Active Recombinant Mouse Fgfr3 Protein, His & Fc-tagged

Cat. No. Fgfr3-836M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain (Met 1-Tyr 367) of mouse FGFR3 (NP_032036.2) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-367 a.a.
Predicted N Terminal	Glu 21
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to bind mouse aFGF in a functional ELISA.
Molecular Mass	The recombinant mouse FGFR3/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 595 amino acids and has a predicted molecular mass of 66 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm FGFR3/Fc monomer is approximately 100-110 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>92 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Fgfr3 fibroblast growth factor receptor 3 [Mus musculus]
Official Symbol	Fgfr3
Synonyms	FGFR3; fibroblast growth factor receptor 3; heparin-binding growth factor receptor; FR3; Mfr3; sam3; CD333; Flg-2; HBGFR; Fgfr-3;
Gene ID	14184
mRNA Refseq	NM_001163215
Protein Refseq	NP_001156687
MIM	
UniProt ID	
Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; ESC Pluripotency Pathways, organism-specific biosystem; Endochondral Ossification, organism-specific bio

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Function	ATP binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; kinase activity; nucleotide binding; protein binding; protein tyrosine kinase activity; receptor act

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