

Active Recombinant Mouse Fgfr3 Protein, His/Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. Fgfr3-836MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated 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	595
Form	Lyophilized
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.
N-terminal Sequence Analysis	Glu 21
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.

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Purity	> 92 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

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

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mRNA Refseq	NM_001163215
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Protein Refseq	NP_001156687
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