

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	595
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by its ability to bind mouse aFGF in a functional ELISA.
<b>Molecular Mass</b>	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.
<b>N-terminal Sequence Analysis</b>	Glu 21
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.

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<b>Purity</b>	> 92 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Fgfr3 fibroblast growth factor receptor 3 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Fgfr3</a>
<b>Synonyms</b>	FGFR3; fibroblast growth factor receptor 3; heparin-binding growth factor receptor; FR3; Mfr3; sam3; CD333; Flg-2; HBGFR; Fgfr-3;
<b>Gene ID</b>	<a href="#">14184</a>

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mRNA Refseq [NM\\_001163215](#)

Protein Refseq [NP\\_001156687](#)

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