

# Active Recombinant Rat FGFR4 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** FGFR4-1076RAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant rat FGFR4 (Q498D6) extracellular domain (Met 1-Asp 367) was fused with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	592
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	<ol style="list-style-type: none"> <li>1. Measured by its binding ability in a functional ELISA.</li> <li>2. Immobilized human FGF18 at 10 µg/mL (100 µL/well) can bind Rat FGFR4, The EC50 of Rat FGFR4 is 1.17 µg/mL.</li> <li>3. Immobilized mouse FGF18 at 10 µg/mL (100 µL/well) can bind Rat FGFR4, The EC50 of Ra</li> </ol>
<b>Molecular Mass</b>	The recombinant rat FGFR4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 592 amino acids and predicts a molecular mass of 66 kDa. The apparent molecular mass of the rat FGFR4/Fc monomer is approximately 110 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>N-terminal Sequence Analysis</b>	Phe 17

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<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % 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="#">Fgfr4 fibroblast growth factor receptor 4 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">FGFR4</a>
<b>Synonyms</b>	FGFR4; fibroblast growth factor receptor 4; FGFR-4; MGC116290;
<b>Gene ID</b>	<a href="#">25114</a>

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mRNA Refseq [NM\\_001109904](#)

Protein Refseq [NP\\_001103374](#)

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