Active Recombinant Rat FGFR4 Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. FGFR4-1076RAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant rat FGFR4 (Q498D6) extracellular domain (Met 1-Asp 367) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	592
Form	Lyophilized
Bio-activity	1. Measured by its binding ability in a functional ELISA. 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. 3. Immobilized mouse FGF18 at 10 μg/mL (100 μL/well) can bind Rat FGFR4, The EC50 of Ra
Molecular Mass	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.
N-terminal Sequence Analysis	Phe 17

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Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 488

GENE INFORMATION

Gene Name	Fgfr4 fibroblast growth factor receptor 4 [Rattus norvegicus]
Official Symbol	FGFR4
Synonyms	FGFR4; fibroblast growth factor receptor 4; FGFR-4; MGC116290;
Gene ID	25114

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mRNA Refseq	NM_001109904
Protein Refseq	NP_001103374

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