

Recombinant Rat FGFR4 protein(Met1-Asp367), hFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat FGFR4 (Q498D6)(Met 1-Asp 367) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-367 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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 Rat FGFR4 is 0.44 µg/mL. 4. Immobilized human bFGF at 10 µg/mL (100 µl/well) can bind Rat FGFR4, The EC50 of Rat FGFR4 is 0.163 µg/mL.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Fgfr4 fibroblast growth factor receptor 4 [<i>Rattus norvegicus</i>]
Official Symbol	FGFR4
Synonyms	FGFR4; fibroblast growth factor receptor 4; FGFR-4; MGC116290;
Gene ID	25114
mRNA Refseq	NM_001109904
Protein Refseq	NP_001103374

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