

Active Recombinant Mouse Fgfr3 protein(Met1-Tyr367), His-tagged

Cat. No. Fgfr3-624M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FGFR3 (NP_032036.2)(Met 1-Tyr 367) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Tyr367
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	Measured by its ability to inhibit FGF acidic dependent proliferation of Balb/c3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.3-4 µg/mL.
Molecular Mass	The recombinant mouse FGFR3 comprises 358 amino acids and has a calculated molecular mass of 37 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFGFR3 is approximately 70-80 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [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](#)

mRNA Refseq [NM_001163215](#)

Protein Refseq [NP_001156687](#)

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