

Active Recombinant Mouse Fgfr1 protein(Met1-Glu376), hFc-tagged

Cat. No. Fgfr1-4015M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Mouse FGFR1 isoform 1 (P16092-1)(Met 1-Glu 376) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.

Species

Mouse

Source

HEK293

ProteinLength

Met1-Glu376

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 mouse FGF acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts. The ED50 for this effect is typically 6-25 ng/mL in the presence of 0.5 ng/mL of mouse FGF acidic (aFGF/FGF1).

Molecular Mass

The secreted recombinant mouse FGFR1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 596 amino acids and has a calculated molecular mass of 66.5 kDa. The apparent molecular mass of rmFGFR1/Fc monomer is approximately 100-110 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 > 97 % 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 [Fgfr1 fibroblast growth factor receptor 1 \[Mus musculus \]](#)

Official Symbol [Fgfr1](#)

Synonyms FGFR1; fibroblast growth factor receptor 1; MFR; c-fgr; bFGF-R-1; proto-oncogene c-Fgr; basic fibroblast growth factor receptor 1; FLG; Eask; Hspy; Flt-2; Fgfr-1; AW208770;

Gene ID [14182](#)

mRNA Refseq [NM_001079908](#)

Protein Refseq [NP_001073377](#)

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