

Active Recombinant Human FGFR3 protein, Fc-tagged

Cat. No. FGFR3-779H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGFR3 protein(Glu 23 - Gly 377), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu23-Gly377
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human FGF basic, premium grade at 5 µg/mL (100 µL/well) can bind Human FGF R3 (IIIb), Fc Tag with a linear range of 2-39 ng/mL. Immobilized Biotinylated Human FGF basic, Avitag, His Tag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human FGF R3 (IIIb), Fc Tag with a linear range of 1-39 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 65.0 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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 [Homo sapiens]

Official Symbol FGFR3

Synonyms FGFR3; fibroblast growth factor receptor 3; ACH, achondroplasia, thanatophoric dwarfism; CD333; CEK2; JTK4; FGFR-3; tyrosine kinase JTK4; hydroxyaryl-protein kinase; ACH; HSFGR3EX;

Gene ID 2261

mRNA Refseq NM_000142

Protein Refseq NP_000133

MIM 134934

UniProt ID P22607

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