

## Active Recombinant Human FGFR3 protein, Fc-tagged

Cat. No. FGFR3-751H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGFR3 protein(Glu 23 - Gly 375), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Glu23-Gly375
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human FGF basic, premium grade at 5 µg/mL (100 µL/well) can bind Human FGF R3 (IIIc), Fc Tag with a linear range of 1-39 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 (IIIc), Fc Tag with a linear range of 2-39 ng/mL.
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 64.6 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Purity</b>	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	FGFR3 fibroblast growth factor receptor 3 [ Homo sapiens ]
<b>Official Symbol</b>	FGFR3
<b>Synonyms</b>	FGFR3; fibroblast growth factor receptor 3; ACH, achondroplasia, thanatophoric dwarfism; CD333; CEK2; JTK4; FGFR-3; tyrosine kinase JTK4; hydroxyaryl-protein kinase; ACH; HSFGR3EX;
<b>Gene ID</b>	2261
<b>mRNA Refseq</b>	NM_000142
<b>Protein Refseq</b>	NP_000133
<b>MIM</b>	134934
<b>UniProt ID</b>	P22607

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