

## Active Recombinant Human FGFR3, Fc-tagged

Cat. No. FGFR3-611H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human FGFR3-Fc fusion protein is expressed as a 581 amino acid protein consisting of Glu23 - Gly375 region of FGFR3 (Uniprot accession #P22607 - isoform 1) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	23-375 a.a.
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free).
<b>Bio-activity</b>	Binds and inhibits aFGF / FGF-acidic dependent proliferation of mouse fibroblast cells with an ED50 of 0.05 - 0.3 µg/ml
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 63.7; Estimated by SDS-PAGE under reducing condition (kDa): 80-90
<b>AA Sequence</b>	ESLGTEQRVVGRAAEVPGPEPGQQEQLVFGSGDAVELSCPPPGGGPMGPTVWVK DGTGLVPSERVLVGPQRLQV LNASHEDSGAYSCRQRLTQRVLCHFVSRVTDAPSS GDDEDEGEDEAEDTGVDTGAPYWTRPERMDKLLAVPAAN TVRFRCPAAGNPTPSI SWLKNGREFRGEHRIGGIKLRHQQWSLVMESVVPDRGNYTCVVENKFGSIRQTYT LD VLERSPHRPILQAGLPANQTAVLGSDVEFHCKVYSDAQPHIQWLKHVEVNGSKV GPDGTPYVTVLKTAGANTTD KELEVLSLHNVTFEDAGEYTCLAGNSIGFSHSAWL

 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

VVLPAAEEELVEADEAGSVYAGSTGTHTCPPCPAPPELLG GPSVFLFPPKPKDTLMISR  
 TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH  
 QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLT  
 CLVKGFFYPSDIAVEWES NGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGN  
 VFSCSVMHEALHNHYTQKSLSLSPGK

**Endotoxin** <0.1 eu per 1 µg of purified recombinant protein determined by the

**Purity** >95% judged by SDS-PAGE under reducing condition

**Storage** The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

## 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; HSGFR3EX;

**Gene ID** [2261](#)

**mRNA Refseq** [NM\\_000142](#)

**Protein Refseq** [NP\\_000133](#)

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<b>MIM</b>	134934
<b>UniProt ID</b>	P22607
<b>Chromosome Location</b>	4p16.3
<b>Pathway</b>	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; FGFR ligand binding and activation, organism-specific biosystem;
<b>Function</b>	ATP binding; fibroblast growth factor binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; nucleotide binding; protein binding; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity;

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