

# Recombinant Human Fibroblast Growth Factor Receptor 3, His-tagged

**Cat. No.** FGFR3-5419H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant humanFGFR3 cytoplasmic domain (amino acids 399-806), His-tagged. No specialmeasures were taken to activate this kinase.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	399-806 a.a.
<b>Description</b>	FGFs comprise a family of atleast eighteen structurally realted proteins that are involved in a multitudeof physiological and pathological cellular processes, including cell growth,differentiation, angiogenesis, wound healing and tumorgensis. The biologicalactivities of the FGFs are mediated by a family if type I transmembranetyrosine kinases which undergo dimerization and autophosphorylation afterligand binding.
<b>MolecularWeight</b>	49.8 kDa
<b>Form</b>	Liquid in 50 mMTris, pH 7.5 + 100 mM NaCl + 0.2 mM EDTA + 0.05% Triton X-100 + 5 mM DTT +50% glycerol.
<b>Purity</b>	≥ 90% as determinedby SDS-PAGE analysis
<b>Specific Activity</b>	550 nmoleof phosphate transferred to poly [Glu,Tyr] 4:1 substrate per minute per mg

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of total protein at 30°C. Activity determined at a final protein concentration of 2µg/ml.

**Storage** Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

**Official Symbol** FGFR3

## GENE INFORMATION

**Gene Name** [FGFR3 fibroblast growth factor receptor 3 \[ Homo sapiens \]](#)

**Synonyms** FGFR3; fibroblast growth factor receptor 3; ACH; CEK2; JTK4; CD333; HSFGR3EX; OTTHUMP00000149958; OTTHUMP00000149959; tyrosine kinase JTK4; hydroxyaryl-protein kinase; achondroplasia, thanatophoric dwarfism; EC 2.7.10.1; FGFR-3; CD333 antigen

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

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

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

**MIM** [134934](#)

**UniProt ID** [P22607](#)

**Chromosome Location** 4p16.3

**Pathway** Bladder cancer; Endocytosis; MAPK signaling pathway; Pathways in cancer; Regulation of actin cytoskeleton; Signaling by FGFR

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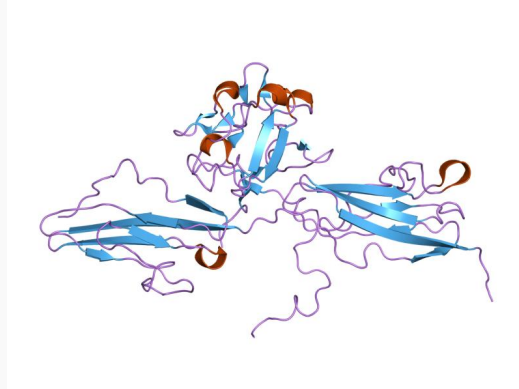
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**Function**

ATP binding; fibroblast growthfactor receptor activity; identical protein binding; nucleotide binding;receptor activity; transferase activity

**Rendering of 1ry7**



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