

Recombinant Human Fibroblast Growth Factor Receptor 3, His-tagged

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

SPECIFICATION

Product Overview	Recombinant humanFGFR3 cytoplasmic domain (amino acids 399-806), His-tagged. No specialmeasures were taken to activate this kinase.
Species	Human
Source	Insect Cells
ProteinLength	399-806 a.a.
Description	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 tumorigenesis. The biologicalactivities of the FGFs are mediated by a family if type I transmembranetyrosine kinases which undergo dimerization and autophosphorylation afterligand binding.
MolecularWeight	49.8 kDa
Form	Liquid in 50 mMTris, pH 7.5 + 100 mM NaCl + 0.2 mM EDTA + 0.05% Triton X-100 + 5 mM DTT +50% glycerol.
Purity	≥ 90% as determinedby SDS-PAGE analysis
Specific Activity	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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Function

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

Rendering of 1ry7

