Recombinant Human FGFR3, GST-tagged, Active

Cat. No. FGFR3-315H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGFR3 (397-end) was expressed by baculovirus in*Sf9 insect cell*susing an N-terminal GST tag. MW=73 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	397-end a.a.
Description	Fibroblast growth factor receptor 3 (FGFR3) is part of a family of fibroblast growth factor receptors that share similar structures and functions. FGFR3 plays a role in several important cellular processes, including regulation of cell growth and division, determination of cell fate, formation of blood vessels, wound healing and embryo development. FGFR3 is involved in the development and maintenance of bone and brain tissue. Mutations in FGFR3 have been implicated in causing bladder cancer, cancer of white blood cells (multiple myeloma) and cervical cancer.
Sequence	397-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	FGFR3 fibroblast growth factor receptor 3 [Homo sapiens]
Synonyms	FGFR3; fibroblast growth factor receptor 3; ACH; CEK2; JTK4; CD333; HSFGFR3EX; 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
UniProt ID	P22607
Chromosome Location	4p16.3
MIM	134934
Pathway	Bladder cancer; Endocytosis; MAPK signaling pathway; Pathways in cancer; Regulation of actin cytoskeleton; Signaling by FGFR
Function	ATP binding; fibroblast growth factor receptor activity; identical protein binding; nucleotide binding; receptor activity; transferase activity

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