

Recombinant Human FGFR3 Protein, GST-tagged

Cat. No. FGFR3-4137H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGFR3 partial ORF (NP_000133, 27 a.a. - 126 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq]
Molecular Mass	36.63 kDa
AA Sequence	TEQRVVGRAAEVPGPEPGQQEQLVFGSGDAVELSCPPPGGGPMGPTVWVKDGTG

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LVPSEKLVGPQRLQVLNASHEDSGAYSCRQRLTQRVLCHFESVRVT

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; HSFGR3EX;

Gene ID

2261

mRNA Refseq

NM_000142

Protein Refseq

NP_000133

MIM

134934

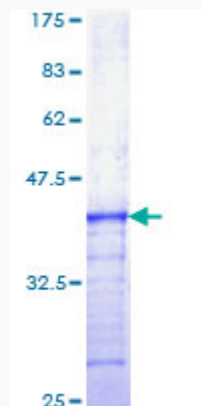
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UniProt ID P22607

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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