

Product datasheet for TP700123

FGFR3 (NM_022965) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of human fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)(FGFR3), transcript variant 2, with C-terminal DDK/His tag, expressed in human cells, 20 µg
Species:	Human
Expression Host:	HEK293
Tag:	C-DDK/His
Predicted MW:	34 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH7.4, 10% glycerol
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_075254
Locus ID:	2261
UniProt ID:	P22607 , Q0IJ44
RefSeq Size:	3968
Cytogenetics:	4p16.3
RefSeq ORF:	930
Synonyms:	ACH; CD333; CEK2; HSGFR3EX; JTK4



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Summary:

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. [provided by RefSeq, Aug 2017]

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Bladder cancer, Endocytosis, MAPK signaling pathway, Pathways in cancer, Regulation of actin cytoskeleton

Product images: