

## Product datasheet for **TP315533**

### **FGFR3 (NM\_000142) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human fibroblast growth factor receptor 3 (FGFR3), transcript variant 1
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	85.7 kDa
<b>Concentration:</b>	>50 ug/mL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000133</a>
<b>Locus ID:</b>	2261
<b>RefSeq Size:</b>	4093
<b>Cytogenetics:</b>	4p16.3
<b>RefSeq ORF:</b>	2418
<b>Synonyms:</b>	ACH; CD333; CEK2; HSGFR3EX; JTK4



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**Summary:**

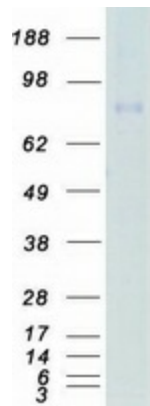
This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative 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:**

Coomassie blue staining of purified FGFR3 protein (Cat# TP315533). The protein was produced from HEK293T cells transfected with FGFR3 cDNA clone (Cat# [RC215533]) using MegaTran 2.0 (Cat# [TT210002]).