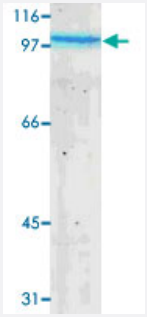
HuPro®

FGFR3 (Human) Recombinant Protein

Catalog # P4557 Size 100 ug

Applications



Specification

Product Description	Human FGFR3 (NP_000133.1, 1 a.a. - 372 a.a.) partial recombinant protein with Fc-His tag expressed in HEK293E cells.
Theoretical MW (kDa)	66.4407
Form	Liquid
Preparation Method	Mammalian cell HEK293E expression system
Purity	> 90% by SDS-PAGE
Quality Control Testing	10% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In PBS, pH 7.4.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing

Applications

- Functional Study

- SDS-PAGE

Gene Info — FGFR3

Entrez GeneID	2261
Protein Accession#	NP_000133.1
Gene Name	FGFR3
Gene Alias	ACH, CD333, CEK2, HSFGFR3EX, JTK4
Gene Description	fibroblast growth factor receptor 3
Omim ID	100800 109800 134934 146000 149730 162900 187600 602849 603956 610474
Gene Ontology	Hyperlink
Gene 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. Three alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000149959|achondroplasia, thanatophoric dwarfism|hydroxyaryl-protein kinase|tyrosine kinase JTK4

Pathway

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

Disease

- Achondroplasia
- Alzheimer disease
- Carcinoma
- Cardiovascular Diseases
- Cheilitis
- Chromosome Aberrations
- Chromosome Deletion
- Cleft Lip
- Cleft Palate
- Colon cancer
- Colonic Neoplasms
- Craniosynostoses
- Diabetes Complications
- Disease Progression
- Genetic Diseases
- Genetic Predisposition to Disease
- Intracranial Hypertension
- Kidney Neoplasms
- Lung Neoplasms
- Metabolic Syndrome X
- Musculoskeletal Abnormalities
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms

- Osteochondrodysplasias
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Recurrence
- Skin Neoplasms
- Sleep Apnea
- Syndrome
- Thanatophoric Dysplasia
- Ureteral Neoplasms
- Urinary Bladder Neoplasms