

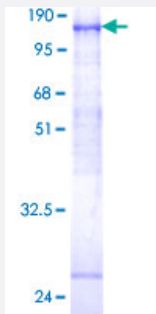
Full-Length

FGFR4 (Human) Recombinant Protein (P01)

Catalog # H00002264-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FGFR4 full-length ORF (AAH11847, 1 a.a. - 802 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRLLALLGVLLSVPGPPVLSLEASEEVELEPCCLAPSLEQQEQELTVALGQPVRLCCGRAERGG
HWYKEGSRLAPAGRVRGWRGRLEIASFLPEDAGRYLCLARGSMVLQNLTLITGDSLTSNDDDED
PKSHRDPSNRHSYPQQAPYWTHPQRMEKKLHAVPAGNTVKFRCPAAGNPTPTIRWLKDGQAFH
GENRIGGIRLRHQHWSLVMESVVPSPDRGTYTCLVENAVGSIRYNLLDVLERSPHRPILQAGLPAN
TTAVVGSDVELLCKVYSDAQPHIQWLKHIVINGSSFGADGFPYVQVLKTADINSSEVEVLYLRNVS
AEDAGEYTCLAGNSIGLSYQSAWLTVLPEEDPTWTAAPEARYTDIILYASGSLALAVLLLLAGLYR
GQALHGRHPRPPATVQKLSRFPLARQFSLESGSSGKSSSSLVRGVRLSSSGPALLAGLVSLDLP
LDPLWEFPRDRLVLGKPLGEGCFGQVVRAEAFGMDPARPDQASTVAVKMLKDNASDKDLADL
VSEMEVMKLGRHKNINLLGVCTQEGPLYVVECAAKGNLREFLRARRPPGPDLSPDGPRSSEGP
LSFPVLVSCAYQVARGMQYLESRKCIHRDLAARNVLVTEDNMVKIADFGLARGVHHIDYKKTSSNG
RLPVKWMapeALFDRVYTHQSDVWSFGILLWEIFTLGGSPYPGIPVEELFSLREGHRMDRPPHC
PPELYGLMRECWHAAPSQRPTFKQLVEALDKVLLAVSEEYLDLRLTFGPYSPSGGDASSTCSCSS
DSVFSDPLPLGSSSFPGSGVQT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

113.96

Interspecies Antigen Sequence

Mouse (90); Rat (89)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — FGFR4

Entrez GeneID	2264
GeneBank Accession#	BC011847
Protein Accession#	AAH11847
Gene Name	FGFR4
Gene Alias	CD334, JTK2, MGC20292, TKF
Gene Description	fibroblast growth factor receptor 4
Omim ID	134935
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis. [provided by RefSeq]

Other Designations

OTTHUMP00000161430|hydroxyaryl-protein kinase|protein-tyrosine kinase|tyrosine kinase related to fibroblast growth factor receptor|tyrosylprotein kinase

Pathway

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [ACTH-Secreting Pituitary Adenoma](#)
- [Adenocarcinoma](#)
- [Bone Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)

- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypersensitivity](#)
- [Irritable Bowel Syndrome](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mouth Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Pituitary ACTH Hypersecretion](#)
- [Pituitary Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Sarcoma](#)
- [Skin Neoplasms](#)
- [Soft Tissue Neoplasms](#)
- [Thyroid Neoplasms](#)

- [Urinary Bladder Neoplasms](#)