

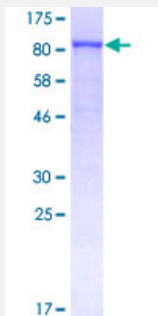
Full-Length

FGFR2 (Human) Recombinant Protein (P01)

Catalog # H00002263-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FGFR2 full-length ORF (AAH39243.2, 1 a.a. - 723 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLTSTWRYGRGPGIGTVMVSWGRFICLVVVTMATLSLARPSFSLVEDTTLEPEGAPYWTNTEK
MEKRLHAVPAANTVKFRCPAGGNPMPTMRWLKNGKEFKQEHRIGGYKVRNQHWSLIMESVVPS
DKGNYTCVVENEYGSINHTYHLDVVERSHPILQAGLPANASTVVGDDVEFVCKVYSDAQPHIQ
WIKHVEKNGSKYGPDGLPYLKVLKAAGVNTTDKEIEVL YIRNVTFEDAGEYTCLAGNSIGISFHS AW
LTVLPAPGREKEITASPDYLEIAYCIGVFLIACMVVTVILCRMKNNTTKKPDFSSQPAVHKLTKRIPLR
RQVSAESSSSMNSNTPLVRITRLSSTADTPMLAGVSEYELPEDPKWEFPRDKLTLGKPLGEGC
FGQVMAEAVGIDKDKPKEAVTVAVKMLKDDATEKDLSDLASEMEMMKMIGKHENIINLLGACTQ
DGPLYVIVEYASKGNLREYLRARRPPGMEYSYDINRVPEEQMTFEDLVSCYQLARGMEYLASQK
CIHRDLAARNVLVTENNVMKIADFG LARDINNIDYKKTNGRLPVKWM APEALFDRVYTHQSDVW
SFGVLMWEIFTLGGSPYPGIPVEELLKLLKEGHRMDKPANCTNELYMMMRDCWHAVPSQRPTFK
QLVEDLDRILTLTTNEEYLDLSQPLEQYSPSYDTRSSCSSGDDSVFSPDPMPEYEPCLPQYPHING
SVKT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

105.27

Interspecies Antigen Sequence

Mouse (98); Rat (98)

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 — FGFR2

Entrez GeneID	2263
GeneBank Accession#	BC039243
Protein Accession#	AAH39243.2
Gene Name	FGFR2
Gene Alias	BEK, BFR-1, CD332, CEK3, CFD1, ECT1, FLJ98662, JWS, K-SAM, KGFR, TK14, TK25
Gene Description	fibroblast growth factor receptor 2
Omim ID	101200 101400 101600 123150 123500 123790 137215 149730 176943 207410
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 consists 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 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]

Other Designations

BEK fibroblast growth factor receptor|FGF receptor|OTTHUMP00000020621|OTTHUMP00000020629|bacteria-expressed kinase|hydroxyaryl-protein kinase|keratinocyte growth factor receptor|protein tyrosine kinase, receptor like 14|soluble FGFR4 variant 4

Pathway

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acrocephalosyndactylia](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Dysostosis](#)
- [Craniosynostoses](#)
- [Cystadenocarcinoma](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Disease Susceptibility](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Hypospadias](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)

- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Tobacco Use Disorder](#)