

Proteoliposomes

Full-Length

FGFR2 (Human) Recombinant Protein

Catalog # H00002263-G01

Size 10 ug

Specification

Product Description

Human FGFR2 full-length ORF (NP_000132.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MVSWGRFICLVVVTMATLSLARPSFSLVEDTTLEPEEPPTKYQISQPEVYVAAPGESLEVRCLLK
DAAVISWTKDGVHLGPNNRVTLIGEYLQIKGATPRDSGLYACTASRTVDSETWYFMVNVDAISSG
DDEDDTDGAEDFVSENSNNKRAPYWTNTEKMEKRLHAVPAANTVKFRCPAGGNPMPTMRWLK
NGKEFKQEHRIGGYKVRNQHWSLIMESVPSDKGNYTCVENEYGSINHTYHLDVVERSHPRPILQ
AGLPANASTVVGGDVEFVCKVYSDAQPHIQWIKHVEKNGSKYGPDGLPYLKVLAAGVNTTDKEI
EVL YIRNVTFEDAGEYTCLAGNSIGISFHS AWLTVLPAPGREKEITASPDYLEIAYCIGVFLIACMVVT
VILCRMKNNTTKPDFSSQPAVHKLTKRIPLRRQVTVSAESSSSMNSNTPLVRITRSLSTADTPML
AGVSEYELPEDPKWEFPRDKLTLGKPLGEGCFGQVVM AEAVGIDKDKPKEAVTVAVKMLKDDA
TEKDLSDLVSEMEMMKMIGKHKNINLLGACTQDGPLYVMEYASKGNLREYLRARRPPGMEYSYDI
NRVPEEQMTFKDLVSCYQLARGMEYLASQKCIHRDLAARNVLVTENNVMKIADFG LARDINNIDY
YKKT TNGRLPVKWMAPEALFDRVYTHQSDVWSFGVLMWEIFTLGGSPYPGIPVEELFKLLKEGHR
MDKPANCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRILTLTTNEEYLDLSQPLEQYSPSYPD
TRSSCSSGDDSVFSPDPMPYEPCLPQYPHINGSVKT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

92

Interspecies Antigen Sequence

Mouse (98); Rat (97)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

- Antibody Production

Gene Info — FGFR2

Entrez GeneID	2263
GeneBank Accession#	NM_000141.3
Protein Accession#	NP_000132.1
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](#)
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