

Bioactive

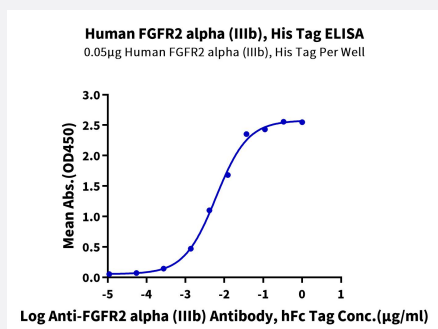
HuPro®

FGFR2 (Human) Recombinant Protein

Catalog # P9927

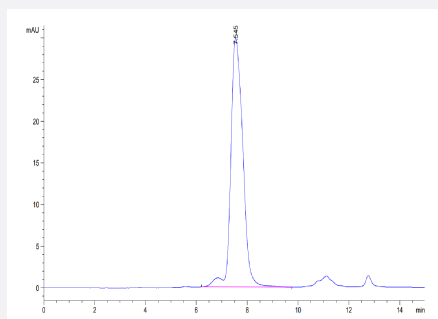
Size 100 ug

Applications



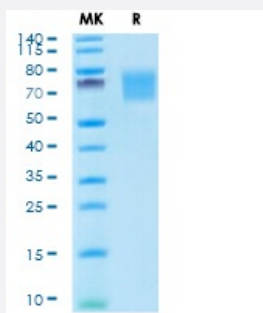
Enzyme-linked Immunoabsorbent Assay

Immobilized Human FGFR2 alpha (IIIb), His Tag at 0.5ug/ml (100ul/well) on the plate. Dose response curve for Anti-FGFR2 alpha (IIIb) Antibody, hFc Tag with the EC50 of 6.1ng/ml determined by ELISA (QC Test).



SEC-HPLC

The purity of-Human FGFR2 alpha (IIIb) is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human FGFR2 alpha (IIIb) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

Specification

Product Description

Human FGFR2 (P21802-3, Arg22-Glu378) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.

Sequence	Arg22-Glu378
Host	Human
Theoretical MW (kDa)	40.7
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 6.1 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human FGFR2 alpha (IIIb) is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human FGFR2 alpha (IIIb) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 %.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human FGFR2 alpha (IIIb), His Tag at 0.5ug/ml (100ul/well) on the plate. Dose response curve for Anti-FGFR2 alpha (IIIb) Antibody, hFc Tag with the EC50 of 6.1ng/ml determined by ELISA (QC Test).

- Functional Study

- SDS-PAGE

Gene Info — FGFR2

Entrez GeneID	2263
Protein Accession#	P21802-3
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

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

Disease

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- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Breast cancer](#)
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