

Recombinant Human FGFR2 Protein, Arg152-Glu378, C-His-Avi tagged, Biotinylated

Cat. No. FGFR2-093H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human FGFR2 beta (IIIb)-C-His-Avi protein was developed from HEK293 and has a target region of C-His-Avi.

Species

Human

Source

HEK293

ProteinLength

Arg152-Glu378

Description

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.

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Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
Storage Buffer	Lyophilised from 0.2 μm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM
Conjugation	Biotin

GENE INFORMATION

Gene Name	FGFR2 fibroblast growth factor receptor 2 [Homo sapiens (human)]
Official Symbol	FGFR2
Synonyms	FGFR2; fibroblast growth factor receptor 2; bacteria expressed kinase, BEK, CFD1, craniofacial dysostosis 1, Jackson Weiss syndrome, JWS, keratinocyte growth factor receptor, KGFR; CD332; CEK3; Crouzon syndrome; ECT1; K SAM; Pfeiffer syndrome; TK14; TK25; FGFR-2; FGF receptor; soluble FGFR4 variant 4; bacteria-expressed kinase; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; BEK fibroblast growth factor receptor; protein tyrosine kinase, receptor like 14; BEK; JWS; CFD1; KGFR; BFR-1; K-SAM; FLJ98662;
Gene ID	2263

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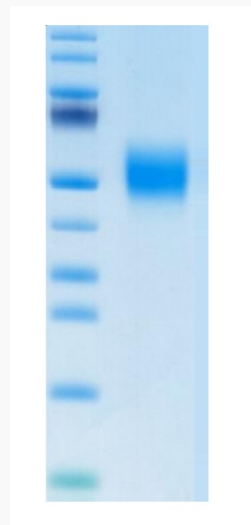
mRNA Refseq [NM_000141](#)

Protein Refseq [NP_000132](#)

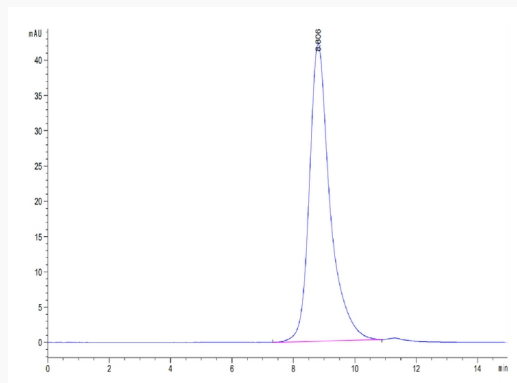
MIM [176943](#)

UniProt ID [P21802](#)

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



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



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Immobilized Anti-FGFR2 IIIb Antibody, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human FGFR2 beta (IIIb), His Tag with the EC50 of 13.1 ng/mL determined by ELISA.

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