

Recombinant Active Human FGFR2 (N549K) Protein (285-end), N-GST-tagged

Cat. No. FGFR2-34H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human FGFR2 (N549K) (285-end) was expressed by baculovirus in Sf9 cells using an N-terminal GST tag.

Species

Human

Source

Sf9 Cells

ProteinLength

285-end

Description

FGFR2 is a member of the fibroblast growth factor receptor family which play a role in mitogenesis and differentiation. FGFR2 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, and mutations in FGFR2 are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. FGFR2 is required for early postimplantation development between implantation and the formation of the egg cylinder. FGFR2 contributes to the outgrowth, differentiation, and maintenance of the inner cell mass.

Bio-activity

The specific activity of FGFR2 (N549K) was determined to be 28 nmol/min/mg as per activity assay protocol.

Molecular Mass

Observed MW: ~72 kDa.
Calculated MW: ~73 kDa.

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Purity	The purity of FGFR2 (N549K) was determined to be > 90 % by densitometry.
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Shipping	Dry ice

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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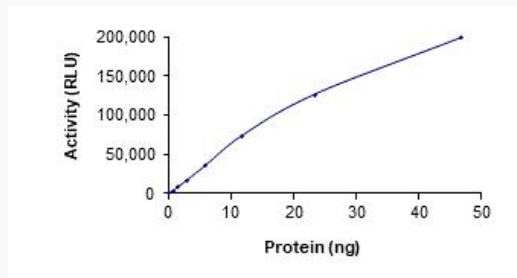
mRNA Refseq [NM_000141](#)

Protein Refseq [NP_000132](#)

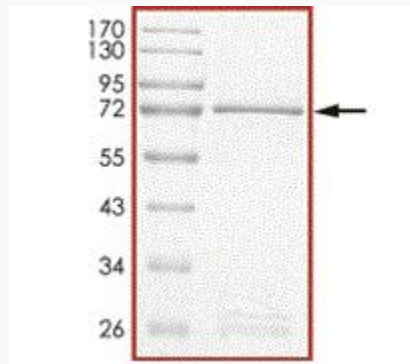
MIM [176943](#)

UniProt ID [P21802](#)

Activity



Purity



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