

# Recombinant Active Human FGFR2 (M420I) Protein (285-end), N-GST-tagged

Cat. No. FGFR2-33H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant human FGFR2 (M420I) (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 (M420I) was determined to be 102 nmol/min/mg as per activity assay protocol.

### Molecular Mass

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

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<b>Purity</b>	The purity of FGFR2 (M420I) was determined to be > 90 % by densitometry.
<b>Stability</b>	One year at -70 centigrade from date of shipment.
<b>Storage</b>	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.
<b>Concentration</b>	0.1 µg/µL
<b>Storage Buffer</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
<b>Shipping</b>	Dry ice

## GENE INFORMATION

<b>Gene Name</b>	FGFR2 fibroblast growth factor receptor 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGFR2
<b>Synonyms</b>	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;
<b>Gene ID</b>	2263

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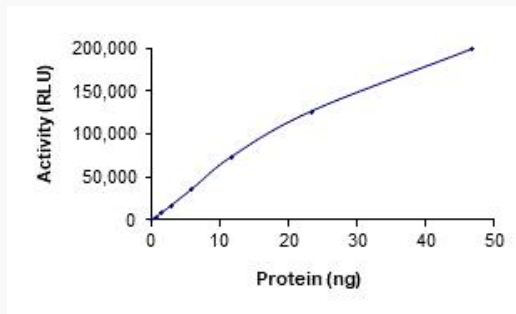
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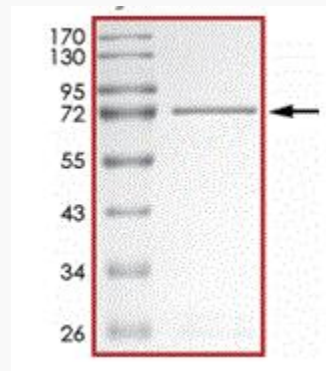
MIM [176943](#)


UniProt ID [P21802](#)

**Activity**




**Purity**



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