

## Recombinant Human FGFR2, GST-tagged

FGFR2-821H Human

Lot. No. (See product label)

### Specification

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

**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.

**Source** Sf9 insect cells using baculovirus

**Species** Human

**Tag** GST

**Form** Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

**Bio-activity** 66 nmol/min/mg

**Molecular Mass** ~72 kDa

**Protein length** 285-end

**Purity** >90%

**Applications** Kinase Assay

**Stability** 1yr at -70°C from date of shipment

**Storage** Store product at -70oC. 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** 0.1ug/ul

### Gene Information

**Gene Name** [FGFR2 fibroblast growth factor receptor 2 \[ Homo sapiens \]](#)

**Official Symbol** FGFR2

**Synonyms** FGFR2; fibroblast growth factor receptor 2; bacteria expressed kinase , BEK, CFD1, craniofacial

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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>	<a href="#">2263</a>
<b>mRNA Refseq</b>	<a href="#">NM_000141</a>
<b>Protein Refseq</b>	<a href="#">NP_000132</a>
<b>MIM</b>	<a href="#">176943</a>
<b>UniProt ID</b>	<a href="#">P21802</a>
<b>Chromosome Location</b>	10q25.3-q26
<b>Pathway</b>	Angiogenesis, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; FGF signaling pathway, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem;
<b>Function</b>	ATP binding; fibroblast growth factor binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; heparin binding; nucleotide binding; protein binding; protein homodimerization activity; protein tyrosine kinase activity; receptor activity;

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