

## Recombinant Human FGFR2, MYC/DDK-tagged

Cat. No. FGFR2-82H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGFR2, transcript variant 1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	89.7 kDa

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>GENE INFORMATION</b>	
<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; BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM; BEK fibroblast growth factor receptor; FGF receptor; FGFR2-AHCYL1 fusion kinase protein; bacteria-expressed kinase; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; protein tyrosine kinase, receptor like 14; protein tyrosine kinase, receptor like 14; NP_000132.3; EC 2.7.10.1; NP_001138385.1; NP_001138386.1; NP_001138387.1; NP_001138387.1; NP_001138388.1; NP_001138390.1; NP_001138391.1; NP_075259.4; NP_075418.1
<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>	P21802
<b>Chromosome</b>	10q26

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**Location**

**Pathway**

Activated point mutants of FGFR2; Central carbon metabolism in cancer;  
Downstream signal transduction

**Function**

fibroblast growth factor binding; fibroblast growth factor-activated receptor activity;  
heparin binding

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