

# Recombinant Human FGFR1 Protein (1-504), N-GST-tagged

## Product Information

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<b>Cat</b>	IMP-8752
<b>Official Symbol</b>	FGFR1
<b>Product Overview</b>	Human FGFR1 full-length ORF ( AAH36769, 1 a.a.-504 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
<b>Description</b>	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) 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 would consist 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. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene.
<b>Expression System</b>	Wheat Germ (in vitro)
<b>Species</b>	Human
<b>Tag</b>	N-GST
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	81.18 kDa
<b>Protein length</b>	1-504
<b>AA Sequence</b>	<p>MTPSPLLLLLLPPLLLGAFPPAAAARGPPKMADKVVPRQVARLGRTVRLQ          CPVEGDPPPLTMWTKDGRTHSGWSRFRVLPQGLKVKQVEREDAGVYV          CKATNGFGSLSVNYTLVVLDDISPGKESLGPDSSSSGGQEDPASQQWARP          RFTQPSKMRRRVIARPVGSSVRLKCVASGHPRPDITWMKDDQALTRPEA          AEPRKKKWTL SLKNLRPEDSGKYTCRVSNRAGAINATYKVDVIQRTRSKP          VLTGTHPVNTTVDFGGTTSFQCKVRSVDVKPVIQWLKRVEYGAEGRHNSTI          DVGGQKFVVLPTGDVWSRPDGSYLNKLLITRARQDDAGMYICLGANTMG          YSFRSAFLT VLPDPKPPGPPVASSSSATSLPWVIGIPAGAVFILGTL LL          WLCQAQKKPCTPAPAPPLPGHRPPGTARDRSGDKDLPSLAALSAGPGV          GLCEEHGSPAAPQHLLGPGPVAGPKLYPKLYTDIHTHTHSHTHSHVE</p>

GKVHQHIHYQC

**Applications**

*ELISA; WB (Recombinant protein); Antibody Production; Protein Array*

**Notes**

*Best use within three months from the date of receipt of this protein.*

**Storage**

*Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.*

**SDS-PAGE**



**12.5% SDS-PAGE Stained with Coomassie Blue.**