

## Recombinant Human FGF1 Protein, GST-tagged

Cat. No. FGF1-4094H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human FGF1 full-length ORF ( NP_000791.1, 1 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq</p>
<b>Molecular Mass</b>	43.9 kDa
<b>AA Sequence</b>	MAEGEITTFALTEKFNLPNGYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHI QLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYIS KKHAEKNWFVGLKKNNGSCKRGPRTHYGQKAILFLPLPVSSD
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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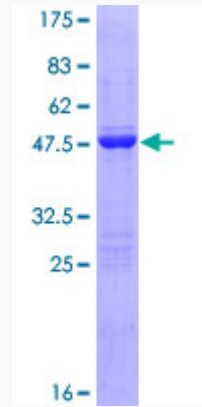
	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FGF1 fibroblast growth factor 1 (acidic) [ Homo sapiens ]
<b>Official Symbol</b>	FGF1
<b>Synonyms</b>	FGF1; fibroblast growth factor 1 (acidic); FGFA; fibroblast growth factor 1; AFGF; ECGF; ECGF beta; ECGFA; ECGFB; endothelial cell growth factor; alpha; beta; FGF alpha; GLIO703; HBGF1; heparin binding growth factor 1; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha; FGF-1; HBGF-1; ECGF-beta; FGF-alpha;
<b>Gene ID</b>	2246
<b>mRNA Refseq</b>	NM_000800
<b>Protein Refseq</b>	NP_000791
<b>MIM</b>	131220
<b>UniProt ID</b>	P05230

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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