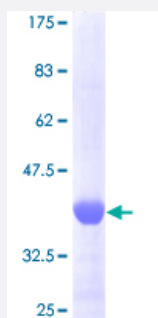


# FGF1 (Human) Recombinant Protein (Q01)

Catalog # H00002246-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human FGF1 partial ORF ( AAH32697, 46 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.            |
| <b>Sequence</b>                | VDGTRDRSDQHIQLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNT<br>YISKKHAEKNWFVGLKKNGSCKRGPRTHYGQKAILFLPLVSSD |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                             |
| <b>Theoretical MW (kDa)</b>    | 37.73                                                                                                             |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                             |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                                 |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                       |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                   |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                            |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FGF1

Entrez GeneID [2246](#)

GeneBank Accession# [BC032697](#)

Protein Accession# [AAH32697](#)

Gene Name FGF1

Gene Alias AFGF, ECGF, ECGF-beta, ECGFA, ECGFB, FGF-alpha, FGFA, GLIO703, HBGF1

Gene Description fibroblast growth factor 1 (acidic)

Omim ID [131220](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** OTTHUMP00000066028|OTTHUMP00000066030|OTTHUMP00000066031|OTTHUMP00000174675|endothelial cell growth factor, alpha|endothelial cell growth factor, beta|heparin-binding growth factor 1

## Pathway

- [MAPK signaling pathway](#)

- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Endometriosis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Intracranial Aneurysm](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Obstetric Labor](#)

- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Schizophrenia](#)