

Product datasheet for **TP307434**

FGF1 (NM_000800) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human fibroblast growth factor 1 (acidic) (FGF1), transcript variant 1 |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207434 protein sequence Red =Cloning site Green =Tags(s) |
| | MAEGEITTF TALTEKFNLP PGNYKKPKLLYCSN GGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVY IKSTETGQYLAMD TDGLLYGSQTPNEECLFLERLEENHYNTYISKKHA EKNW FVGLKKNGSCKRGP RTHY GQKAILFLPLPVSSD |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 17.3 kDa |
| Concentration: | >50 ug/mL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_000791 |
| Locus ID: | 2246 |
| UniProt ID: | P05230 |
| RefSeq Size: | 4162 |
| Cytogenetics: | 5q31.3 |
| RefSeq ORF: | 465 |



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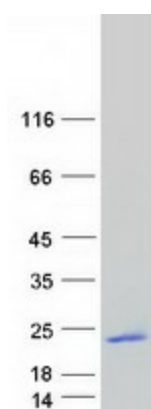
Synonyms: AFGF; ECGF; ECGF-beta; ECGFA; ECGFB; FGF-1; FGF-alpha; FGFA; GLIO703; HBGF-1; HBGF1

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, Jan 2009]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified FGF1 protein (Cat# TP307434). The protein was produced from HEK293T cells transfected with FGF1 cDNA clone (Cat# [RC207434]) using MegaTran 2.0 (Cat# [TT210002]).