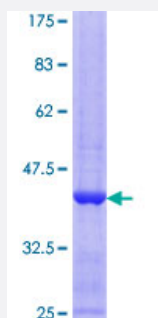


FGF5 (Human) Recombinant Protein (Q01)

Catalog # H00002250-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------|--|
| Product Description | Human FGF5 partial ORF (NP_004455.2, 159 a.a. - 268 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | DCKFRERFQENSYNTYASAIHRTEKTGREWYVALNKRKGAKRGCSPRVKPQHISTHFLPRFKQSE QPELSFTVTVPEKKKPPSPIKPKIPLSAPRKNTNSVKYRLKFRFG |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 37.84 |
| Preparation Method | in vitro wheat germ expression system |
| Purification | Glutathione Sepharose 4 Fast Flow |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| Note | 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 — FGF5

Entrez GeneID [2250](#)

GeneBank Accession# [NM_004464](#)

Protein Accession# [NP_004455.2](#)

Gene Name FGF5

Gene Alias HBGF-5, Smag-82

Gene Description fibroblast growth factor 5

Omim ID [165190](#)

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 gene was identified as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations heparin-binding growth factor 5

Pathway

- [MAPK signaling pathway](#)
- [Melanoma](#)

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

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)