

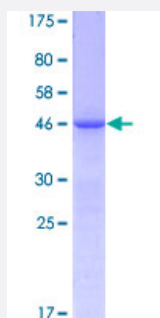
## Full-Length

# FGF12 (Human) Recombinant Protein (P01)

Catalog # H00002257-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human FGF12 full-length ORF ( AAH22524, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MESKEPQLKGVTRLFSQQGYFLQMHPDGTIDGTKDENS DYTLFNLIPVGLRVVAIQGVKASLYVAMNGEGLYSSDVFTPECKFKESVFENYYVYSSTLYRQQESGRAWFLGLNKEGQIMKGNRVKKTKPSSHFPKPIEVCMYREQLHEIGEKQGRSRKSSGTPTMNGGKVVNQDST
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	45.65
<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 — FGF12

Entrez GeneID [2257](#)

GeneBank Accession# [BC022524](#)

Protein Accession# [AAH22524](#)

Gene Name FGF12

Gene Alias FGF12B, FHF1

Gene Description fibroblast growth factor 12

Omim ID [601513](#)

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 growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**Other Designations** fibroblast growth factor 12B|fibroblast growth factor FGF-12b|fibroblast growth factor homologous factor 1|myocyte-activating factor

## Pathway

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

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)