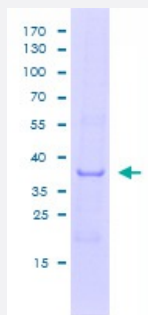


# FGF8 (Human) Recombinant Protein (Q01)

Catalog # H00002253-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human FGF8 partial ORF (NP_149354.1, 65 a.a. - 133 a.a.) recombinant protein with GST tag at N-terminal.
<b>Sequence</b>	SRRLIRTYQLYSRTSGKHVQVLANKRINAMAEDGDPFAKLIVETDTFGSRVRVRGAETGLYICMNKKGK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	33.22
<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 — FGF8

Entrez GeneID [2253](#)

GeneBank Accession# [NM\\_033164](#)

Protein Accession# [NP\\_149354.1](#)

Gene Name FGF8

Gene Alias AIGF, HBGF-8, MGC149376

Gene Description fibroblast growth factor 8 (androgen-induced)

Omim ID [600483](#)

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 is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq]

**Other Designations** OTTHUMP00000020348|OTTHUMP00000020349|OTTHUMP00000020350|OTTHUMP00000020351|androgen-induced growth factor|fibroblast growth factor 8

## Pathway

- [MAPK signaling pathway](#)

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

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Hypospadias](#)