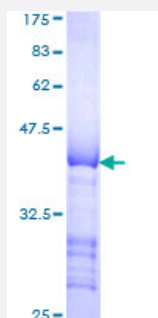


# LTBP1 (Human) Recombinant Protein (Q01)

Catalog # H00004052-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                               |                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| Product Description           | Human LTBP1 partial ORF ( NP_000618, 403 a.a. - 500 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence                      | CPGGMGYTVSGVHRRRPIHHHVKGKPVFVKPKNTQPVAKSTHPPPLPAKEEPVEALTFSREHGP<br>GVAEPEVATAPPEKEIPSLDQEKTKLEPGQPQLS    |
| Host                          | Wheat Germ (in vitro)                                                                                     |
| Theoretical MW (kDa)          | 36.52                                                                                                     |
| Interspecies Antigen Sequence | Mouse (89); Rat (92)                                                                                      |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                                                     |
| 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 — LTBP1

Entrez GeneID [4052](#)

GeneBank Accession# [NM\\_000627](#)

Protein Accession# [NP\\_000618](#)

Gene Name LTBP1

Gene Alias MGC163161

Gene Description latent transforming growth factor beta binding protein 1

Omim ID [150390](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene belongs to the family of latent TGF-beta binding proteins (LTBP s). The secretion and activation of TGF-betas is regulated by their association with latency-associated proteins and with latent TGF-beta binding proteins. The product of this gene targets latent complexes of transforming growth factor beta to the extracellular matrix, where the latent cytokine is subsequently activated by several different mechanisms. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations TGF-beta1-BP-1

## Pathway

- [TGF-beta signaling pathway](#)

## Disease

- [Aortic Aneurysm](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Laryngeal Neoplasms](#)
- [Liver Cirrhosis](#)
- [Mouth Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Rectal Neoplasms](#)
- [Tobacco Use Disorder](#)