

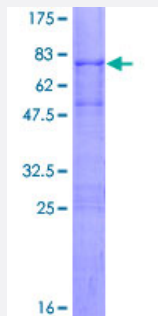
Full-Length

# TOB1 (Human) Recombinant Protein (P01)

Catalog # H00010140-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human TOB1 full-length ORF ( NP\_005740.1, 1 a.a. - 345 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MQLEIQVALNFIISLYNKLPRRRVNIFGEELERLLKKKYEGHWPEKPYKSGGFRCIHIGEKVDPVIE  
QASKESGLDIDDVRGNLPQDLSVWIDPFEVSYQIGEKGPVKVLYDDNNENGCELDKEIKNSFNP  
EAQVFMPISDPASSVSSSPSPFGHSAAVSPTFMPRSTQPLTFTTATFAATKFGSTKMKNNGRS  
NKVARTSPINLGLNVNDLLKQKAISSTMHSLYGLGLGSQQPQQQPPPPPPPPPPPPPPPPPPPP  
QKTSALSPNAKEFIFPNMQGQGSSTNGMFPDGPLNLSPLQYSNAFDVFAAYGGLNEKSFVDGL  
NFSLNNMQYSNQQFQPVMAN

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

64.6

### Interspecies Antigen Sequence

Mouse (91); Rat (91)

### 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 — TOB1

**Entrez GeneID**[10140](#)**GeneBank Accession#**[NM\\_005749.2](#)**Protein Accession#**[NP\\_005740.1](#)**Gene Name**

TOB1

**Gene Alias**

APRO6, MGC104792, MGC34446, PIG49, TOB, TROB, TROB1

**Gene Description**

transducer of ERBB2, 1

**Omim ID**[605523](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the tob/btg1 family of anti-proliferative proteins that have the potential to regulate cell growth. When exogenously expressed, this protein suppresses cell growth in tissue culture. The protein undergoes phosphorylation by a serine/threonine kinase, 90 kDa ribosomal S6 kinase. Interactions of this protein with the v-erb-b2 erythroblastic leukemia viral oncogene homolog 2 gene product p185 interferes with growth suppression. This protein inhibits T cell proliferation and transcription of cytokines and cyclins. The protein interacts with both mothers against decapentaplegic Drosophila homolog 2 and 4 to enhance their DNA binding activity. This interaction inhibits interleukin 2 transcription in T cells. [provided by RefSeq]

**Other Designations**

transducer of erbB-2