



# Recombinant Human Protein Tob1 (TOB1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP024037HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P50616  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MQLEIQVALN FII SYLYNKL PRRRVNIFGE ELERLLKKKY EGHWYPEKPY<br>KGS GFRCIHI GEKVDPVIEQ ASKESGLDID DVRGNLPQDL SVWIDPFVEV<br>YQIGEKGPVK VLYVDDNEN GCELDKEIKN SFNPEAQVFM PISDPASSVS<br>SSPSPFGHS AAVSPTFMPR STQPLTFTTA TFAATKFGST KMKNSGRSNK<br>VARTSPINLG LNVNDLLKQK AISSSMHS LY GLGLGSQQQP QQQQPAQPP<br>PPPPPPQQQ QQKTSALSPN AKEFIFPNMQ GQGSSTNGMF PGDSPLNLSP<br>LQYSNAFDVF AAYGGLNEKS FVDGLNFS LN NMQYSNQQFQ PVMAN   |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | TOB1  |
| <b>Protein Names</b>     | Recommended name: Protein Tob1 Alternative name(s): Transducer of erbB-2<br>1   |
| <b>Expression Region</b> | 1-345   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.