



# Recombinant Human Protein Tob1 (TOB1)

<b>Product Code</b>	CSB-MP024037HU
<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 FIIISYLYNKL PRRRVNIFGE ELERLLKKKY EGHWYPEKPY KGSGFRCIHI GEKVDPVIEQ ASKESGLDID DVRGNLPQDL SVWIDPFVEVS YQIGEKGPVK VLYVDDNEN GCELDKEIKN SFNPEAQVFM PISDPASSVS SSPSPFFGHS AAVSPTFMPR STQPLTFTTA TFAATKFGST KMKNSGRSNK VARTSPINLG LNVNDLLKQK AISSSMHSLY GLGLGSQQQP QQQQQPAQPP PPPPPPQQQQ QQKTSALSPN AKEFIFPNMQ GQGSSTNGMF PGDSPLNLSP LQYSNAFDVF AAYGGLNEKS FVDGLNFSLN NMQYSNQQFQ PVMAN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TOB1
<b>Protein Names</b>	Recommended name: Protein Tob1 Alternative name(s): Transducer of erbB-2 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.