Recombinant Human Protein Tob1 (TOB1)

Product Code	CSB-EP024037HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P50616
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MQLEIQVALN FIISYLYNKL PRRRVNIFGE ELERLLKKKY EGHWYPEKPY KGSGFRCIHI GEKVDPVIEQ ASKESGLDID DVRGNLPQDL SVWIDPFEVS YQIGEKGPVK VLYVDDNNEN GCELDKEIKN SFNPEAQVFM PISDPASSVS SSPSPPFGHS AAVSPTFMPR STQPLTFTTA TFAATKFGST KMKNSGRSNK VARTSPINLG LNVNDLLKQK AISSSMHSLY GLGLGSQQQP QQQQQPAQPP PPPPPPQQQQ QQKTSALSPN AKEFIFPNMQ GQGSSTNGMF PGDSPLNLSP LQYSNAFDVF AAYGGLNEKS FVDGLNFSLN NMQYSNQQFQ PVMAN
Source	E.coli
Target Names	TOB1
Protein Names	Recommended name: Protein Tob1 Alternative name(s): Transducer of erbB-2 1
Expression Region	1-345
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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 supresses cell growth in tissue culture. The protein undergoes phophorylation 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.
Reconstitution	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.
Shelf Life	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.