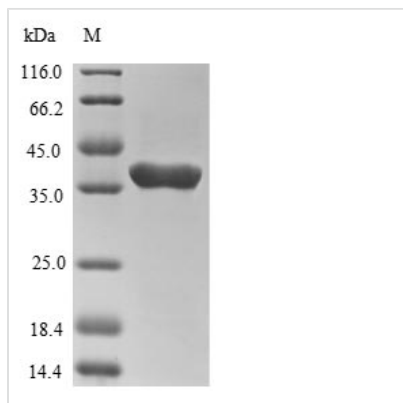




Recombinant Human Tumor susceptibility gene 101 protein (TSG101), partial

Product Code	CSB-EP860355HU1
Relevance	Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs). Mediates the association between the ESCRT-0 and ESCRT-I complex. Required for completion of cytokinesis; the function requires CEP55. May be involved in cell growth and differentiation. Acts as a negative growth regulator. Involved in the budding of many viruses through an interaction with viral proteins that contain a late-budding motif P-[ST]-A-P. This interaction is essential for viral particle budding of numerous retroviruses. Required for the exosomal release of SDCBP, CD63 and syndecan
Storage	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.
Uniprot No.	Q99816
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAVSESQLKKMVSKYKYRDLTVRETVNVITLYKDLKPVLD SYVFNDGSSRELM NLTGTIPVPYRGNTYNIPICLWLLDTYPYNPPICFVKPTSSMTIKTGKHVDANGK IYLPYLHEWKHPQSDLLGLIQVMIVVFGDEPPVFSRP
Research Area	Others
Source	E.coli
Target Names	TSG101
Protein Names	ESCRT-I complex subunit TSG101
Expression Region	1-145aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	36.6 kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Our high-quality Recombinant Human TSG101 protein is a valuable resource for researchers investigating tumor susceptibility. This partial Tumor susceptibility gene 101 protein is expressed in the E.coli system, covering the 1-145aa region. For efficient protein purification and detection, our TSG101 protein is designed with an N-terminal 10xHis-SUMO tag and a C-terminal Myc tag, ensuring consistent performance and reproducible results throughout your experiments.

Our Recombinant Human TSG101 protein boasts a purity greater than 85% as determined by SDS-PAGE and is available in both liquid and lyophilized powder forms. Trust in this exceptional protein to support your research endeavors and deliver reliable, high-quality results.

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.