



Recombinant Rat Tumor susceptibility gene 101 protein (Tsg101)

Product Code	CSB-MP746936RA
Abbreviation	Tsg101
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.	Q6IRE4
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	AVSESQLKK MMSKYKYRDL TVRQTVNVIA MYKDLKPVLD SYVFNDGSSR ELVNLGTIP VRYRGNIYNI PICLWLLDTY PYNPPICFVK PTSSMTIKTG KHVDANGKIY LPYLHDWKHP RSELLELIQI MIVIFGEEPP VFSRPTVSAS YPPYTAAGPP NTSYLPSMPS GISAYPSGY PNPSPYGP YPPAGYPAT TSSQYPSQPP VTTAGPSRDG TISED TIRAS LISAVSDKLR WRMKEEMDGA QAE LNALKRT EEDLKKGHQK LEEMVTRLDQ EVAEVDKNIE LLKKKDEELS SALEKMENQS ENNDIDEVII PTAPLYKQIL NLYAEENAIE DTIFYLGEAL RRGVIDLDVF LKHVRLLSRK QFQLRALMQK ARKTAGLSDL Y
Source	Mammalian cell
Target Names	Tsg101
Protein Names	Recommended name: Tumor susceptibility gene 101 protein Alternative name(s): ESCRT-I complex subunit TSG101
Expression Region	2-391
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 of Mature Protein
Target Details	This protein belongs to a group of apparently inactive homologs of ubiquitin-conjugating enzymes. The gene product contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis. The protein may play a role in cell growth and differentiation and act as a negative growth regulator. In vitro steady-state expression of this tumor susceptibility gene appears to be important for maintenance of genomic stability and cell cycle regulation. Mutations and alternative splicing in this gene occur in high frequency in breast cancer and suggest that defects occur during breast cancer tumorigenesis and/or progression.

**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

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