



# Recombinant Rat Tumor susceptibility gene 101 protein (Tsg101)

<b>Product Code</b>	CSB-BP746936RA
<b>Abbreviation</b>	Tsg101
<b>Storage</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.
<b>Uniprot No.</b>	Q6IRE4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AVSESQLKK MMSKYKYRDL TVRQTVNVIA MYKDLKPVLD SYVFNDGSSR ELVNLGTIP VRYRGNIYNI PICLWLLDTY PYNPPICFVK PTSSMTIKTG KHVDANGKIY LPYLHDWKHP RSELLELIQI MIVIFGEEPP VFSRPTVSAS YPPYTAAGPP NTSYLPSMPS GISAYPSGY PNPSPYGP YPPAGPYPAT TSSQYPSQPP VTTAGPSRDG TISED TIRAS LISAVSDKLR WRMKEEMDGA QAELNALKRT EEDLKKGHQK LEEMVTRLDQ EVAEVDKNIE LLKKKDEELS SALEKMENQS ENNDIDEVII PTAPLYKQIL NLYAEENAIE DTIFYLGEAL RRGVIDLDVF LKHVRLLSRK QFQLRALMQK ARKTAGLSDL Y
<b>Source</b>	Baculovirus
<b>Target Names</b>	Tsg101
<b>Protein Names</b>	Recommended name: Tumor susceptibility gene 101 protein Alternative name(s): ESCRT-I complex subunit TSG101
<b>Expression Region</b>	2-391
<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 of Mature Protein
<b>Target Details</b>	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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