

Recombinant Human TSG101 Protein, His-tagged

Cat. No. TSG101-495H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSG101 Protein (Met1-Pro145) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro145
Description	The protein encoded by this gene 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.3 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TSG101 tumor susceptibility gene 101 [Homo sapiens (human)]
Official Symbol	TSG101
Synonyms	TSG101; tumor susceptibility gene 101; TSG10, tumor susceptibility gene 10; tumor susceptibility gene 101 protein; VPS23; tumor susceptibility protein; ESCRT-I complex subunit TSG101; TSG10
Gene ID	7251
mRNA Refseq	NM_006292
Protein Refseq	NP_006283

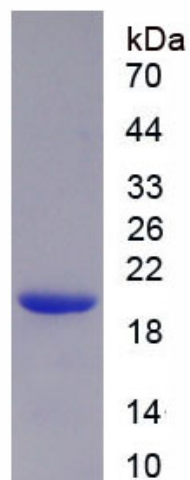
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MIM	601387
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UniProt ID	Q99816
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