

Recombinant Human TSG101 Protein, His&sumo&Myc tagged

Cat. No. TSG101-3445H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSG101 Protein with His&sumo&Myc tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-390 aa
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.
AASequence	MEQKLISEEDLAVSESQLKMMVSKYKYRDLTVRETVNVITLYKDLKPVLD SYVFNDG SSRELMNLTGTIPVYRGNTYNIPICLWLLDTYPYNPPICFVKPTSSMTIKTGKHVDAN GKIYLPYLHEWKHPQSDLLGLIQVMIVVFGDEPPVFSRPISASYPPYQATGPPNTSY MPGMPGGISPYPSGYPPNPSGYPGCPYPPGGYPATTSSQYPSQPPVTTVGPSRD GTISED TIRASLISAVSDKLRWRMKEEMDRAQAELNALKRTEEDLKKGHQKLEEMVT

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RLDQEVAEVDKNIELLKKKDEELSSALEKMENQSENNDIDEVIIPTAPLYKQILNLYAE
 ENAIEDTIFYLGEALRRGVIDLDVFLKHVRLLSRKQFQLRALMQKARKTAGLSLDLYMS
 DSEVNQEAKPEVKPEVKPETHINLKVSDGSSEIFFKIKKTTPLRRLMEAFKRQGKE
 MDSLRFLYDGIRIQADQTPEDLDMEDNDIIEAHREQIGGHHHHHHHHH

Molecular Mass 57 kDa

Purity > 85% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile 50mM Tris, 200mM NaCl, 20% Glycerol

Concentration 0.1 mg/mL by BCA

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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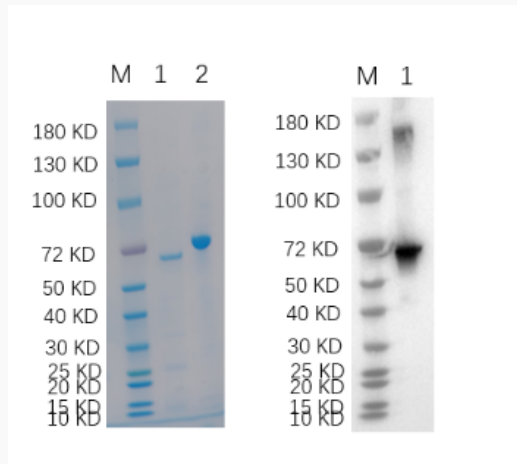
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MIM 601387

UniProt ID Q99816

SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified TSG101. 1. TSG101: 1 μ g 2. BSA: 1 μ g

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