

Tumor Susceptibility Gene 101 Recombinant Protein | TSG101 recombinant protein

Recombinant Human Tumor Susceptibility Gene 101

CATALOG # AAA38828	HOST E Coli
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PRODUCT SYNONYMS

Tumor Susceptibility Gene 101; Recombinant Human Tumor Susceptibility Gene 101; TSG101 Human; Tumor Susceptibility Gene 101 Human Recombinant; TSG10; VPS23; TSG101; ESCRT-I complex subunit TSG101; Tumor susceptibility gene 101 protein; TSG101 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	TSG101 protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol. Sterile filtered colorless solution.
Concentration	0.5 mg/ml (varies by lot)
Sequence Positions	1-145. partial protein.
Sequence	<u>MRGSHHH HHHGMASMTG GQQMGRDLYD DDD KDRWGS MAVSESQLKK MVSKYKYRDL TVRETVNVIT</u> <u>LYKDLKPVL DSYVFNDGSSR ELMNLTGTIP VPYRGNTYNI PICLWLLDTY PYNPPICFVK PTSSMTIKTG</u> <u>KHVDANGKIY LPYLHEWKHP QSDLLGLIQV MIVFGDEPP VFSRP</u>
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TSG101 recombinant protein	Description: TSG101 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 181 amino acids (1-145 a.a.) and having a molecular mass of 20.7 kDa. TSG101 protein is fused to a 36 amino acid His-Tag at N-terminus and purified by standard chromatography. Introduction: TSG101 is a member of apparently inactive homologs of ubiquitin-conjugating enzymes. TSG101 contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis. TSG101 is involved in cell growth and differentiation and acts as a negative growth regulator. TSG101 in vitro steady-state expression is important for maintenance of genomic stability and cell cycle regulation. TSG101 mutations and alternative splicing occur in high rate in breast cancer and implicate that defects occur during breast cancer tumorigenesis and/or progression. TSG101 is a factor of the ESCRT-I complex, a monitor of vesicular trafficking process. TSG101 binds to ubiquitinated cargo proteins and is needed for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. TSG101 is needed for completion of cytokinesis and is involved in cell growth and differentiation.
Product Categories/Family for TSG101 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454140
NCBI GeneID	7251
NCBI Accession #	NP_006283.1

NCBI GenBank Nucleotide #	NM_006292.3
UniProt Accession #	Q99816 ; Q9BUM5
Molecular Weight	31,732 Da
NCBI Official Full Name	tumor susceptibility gene 101 protein
NCBI Official Synonym Full Names	tumor susceptibility 101
NCBI Official Symbol	TSG101
NCBI Official Synonym Symbols	TSG10; VPS23
NCBI Protein Information	tumor susceptibility gene 101 protein; ESCRT-I complex subunit TSG101; tumor susceptibility protein
UniProt Protein Name	Tumor susceptibility gene 101 protein
UniProt Gene Name	TSG101
UniProt Entry Name	TS101_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tsg101-recombinant-protein-e-coli/38828>