

Recombinant Full Length Human TSG101 protein, GST-tagged

Cat. No. TSG101-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSG101(1 a.a. - 390 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-390 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	70.3 kDa
AA Sequence	MAVSESQLKKMVSKYKYRDLTVRETVNVITLYKDLKPVLD SYVFNDGSSRELMNLTG TIPVPYRGNTYNIPICLW LLDTPYNPPICFVKPTSSMTIKTGKHVDANGKIYLPYLHE

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WKHPQSDLLGLIQVMIVVFGDEPPVFSRPISASY PPYQATGPPNTSYMPGMPGGIS
 PYPSGYPPNPSGYPGCPYPPGGPYATTSSQYPSQPPVTTVGPSRDGTISED T IRA
 SLISAVSDKLRWRMKEEMDRAQAELNALKRTEEDLKKGHQKLEEMVTRLDQEVAEV
 DKNIELLKKKDEELSS ALEKMENQSENNDIDEVIIPTAPLYKQILNLYAEENAIEDTIFY
 LGEALRRGVIDLDVFLKHVRLLSRKQFQLRA LMQKARKTAGLSDL Y

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

TSG101 tumor susceptibility gene 101 [Homo sapiens]

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

MIM

601387

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UniProt ID	Q99816
Chromosome Location	11p15
Pathway	Assembly of HIV virion, organism-specific biosystem; Disease, organism-specific biosystem; ESCRT-I complex, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;
Function	DNA binding; calcium-dependent protein binding; ligand-dependent nuclear receptor transcription coactivator activity; protein binding; transcription corepressor activity; ubiquitin binding; ubiquitin protein ligase binding;

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