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	MAVSESQLKKMVSKYKYRDLTVRETVNVITLYKDLKPVLDSYVFNDGSSRELMNLTG TIPVPYRGNTYNIPICLW LLDTYPYNPPICFVKPTSSMTIKTGKHVDANGKIYLPYLHE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	WKHPQSDLLGLIQVMIVVFGDEPPVFSRPISASY PPYQATGPPNTSYMPGMPGGIS PYPSGYPPNPSGYPGCPYPPGGPYPATTSSQYPSQPPVTTVGPSRDGTISEDT IRA SLISAVSDKLRWRMKEEMDRAQAELNALKRTEEDLKKGHQKLEEMVTRLDQEVAEV DKNIELLKKKDEELSS ALEKMENQSENNDIDEVIIPTAPLYKQILNLYAEENAIEDTIFY LGEALRRGVIDLDVFLKHVRLLSRKQFQLRA LMQKARKTAGLSDLY
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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