

Recombinant Full Length Human TSG101 Protein, GST-tagged

Cat. No. TSG101-648HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TSG101(1 a.a. - 390 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	390 amino acids
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	MAVSESQLKK MVSKYKYRDL TVRETVNVIT LYKDLKPVLD SYVFNDGSSR ELMNLGTIP VPYRGNTYNI PICLWLLDTY PYNPPICFVK PTSSMTIKTG

 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

KHVDANGKIY LPYLHEWKHP QSDLLGLIQV MIVVFGDEPP VFSRPISASY
 PPYQATGPPN TSYMPGMPGG ISPYPSGYPP NPSGYPGCPY PPGGPYPATT
 SSQYPSQPPV TTVGPSRDGT ISED TIRASL ISAVSDKLRW RMKEEMDRAQ
 AELNALKRTE EDLKKGHQKL EEMVTRLDQE VAEVDKNIEL LKKKDEELSS
 ALEKMENQSE NNDIDEVIIP TAPLYKQILN LYAEENAIED TIFYLGEALR
 RGVIDLDVFL KHVRLLSRKQ FQLRALMQKA RKTAGLSDLY

Applications

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

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

UniProt ID

Q99816

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