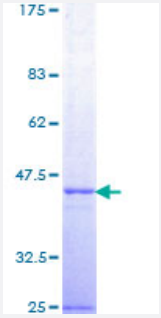
TSG101 (Human) Recombinant Protein (Q02)

Catalog # H00007251-Q02 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TSG101 partial ORF (AAH02487, 291 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LKKKDEELSSALEKMENQSENNDIDEVIIPTAPLYKQILNLYAEENAIEDTILYLGEALRRGVIDLDVF LKHVRLLSRKQFQLRALMQKARKTAGLSDLY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — TSG101

Entrez GeneID	7251
GeneBank Accession#	BC002487
Protein Accession#	AAH02487
Gene Name	TSG101
Gene Alias	TSG10, VPS23
Gene Description	tumor susceptibility gene 101
Omim ID	601387
Gene Ontology	Hyperlink
Gene Summary	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 t umor susceptibility gene appears to be important for maintenance of genomic stability and cell cy cle regulation. Mutations and alternative splicing in this gene occur in high frequency in breast can cer and suggest that defects occur during breast cancer tumorigenesis and/or progression. [provi ded by RefSeq
Other Designations	tumor susceptibility protein

Pathway

- Endocytosis

Disease

- Genetic Predisposition to Disease
- Hepatitis C
- Lung Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome