

**TSG101, 1-145 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP04321**

3th Edition

**Synonyms:**TSG10, VPS23, Tumor susceptibility gene 101 ESCRT I complex subunit TSG101, TSG 10, TSG 101, Tumor susceptibility gene 10, Tumor susceptibility gene 101, Tumor susceptibility protein, Tumor susceptibility protein isoform 3, VPS 23, VPS23.

**Description:**TSG101(Tumor susceptibility gene 101) protein belongs to a group of apparently inactive homologs of ubiquitin-conjugating enzymes. This protein contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis. Mutations and alternative splicing in this protein occur in high frequency in breast cancer and suggest that defects occur during breast cancer tumorigenesis and/or progression. Recombinant human TSG101 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

**Molecular Weight:**20.7 kDa (181aa), confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMVSESQLKKMVSKYKYRDLTVRETVNVITLYKDLKP  
VLDSYVFNDGSSRELMNLTGTIPVPYRGNTYNIPICLWLLDTPYNPPICFVKPTSSMTIKTGKHVDANGKIYLPYLHE  
WKHPQSDLLGLIQVMIVVFGDEPPVFSRP

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.