

Recombinant human TSG101 protein

Catalog Number: ATGP0531

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-145aa

UniProt No.

Q99816

NCBI Accession No.

NP_006283

Alternative Names

Tumor susceptibility gene 101, ESCRT-I complex subunit TSG101, Tumor susceptibility gene 10, TSG10, VPS23

PRODUCT SPECIFICATION

Molecular Weight

20.7 kDa (181aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSMASV ESQKKMVSK YKYRDLTVRE TVNVITLYKD
LKPVLDSYVF NDGSSRELMN LTGTIPVYR GNTYNIPICL WLLDTYPYNP PICFVKPTSS MTIKTGKHVD ANGKIYLPYL
HEWKHPQSDL LGLIQVMIVV FGDEPPVFSR P

General References

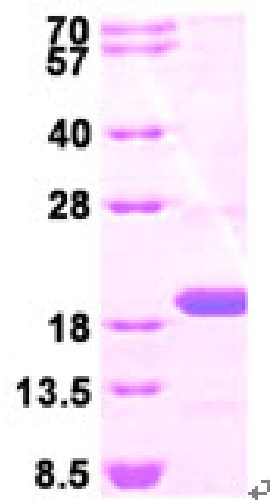
Vardhana S., et al. (2010) Immunity. 32(4):531-40.

Popov S., et al. (2009) J Virol. 83(14):7185-93.

DATA

SDS-PAGE

(KDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)+