9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TSG101 Human

Tumor Susceptibility Gene 101 Human Recombinant
RCP2459

Product Overview

Name	TSG101 Human
Description	
Tumor Susceptibility Gene 101 Human Recombinant	
Accession (Primary)	Q99816
Synonyms	
TSG10, VPS23, TSG101, ESCRT-I complex subunit TSG101, Tumor susceptibility gene 101 protein.	
Introduction	
TSG101 is a member of apparently inactive homologs of ubiquitin-conjugating enzymes. TSG101 contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis. TSG101 is involved in cell growth and differentiation and acts as a negative growth regulator. TSG101 in vitro steady-state expression is important for maintenance of genomic stability and cell cycle regulation. TSG101 mutations and alternative splicing occur in high rate in breast cancer and implicate that defects occur during breast cancer tumorigenesis and/or progression. TSG101 is a factor of the ESCRT-I complex, a monitor of vesicular trafficking process. TSG101 binds to ubiquitinated cargo proteins and is needed for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. TSG101 is needed for completion of cytokinesis and is involved in cell growth and differentiation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
TSG101 protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS MAVS ESQLKKMVSK YKYRDLTVRE TVNVITLYKD	

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LKPVLDSYVF NDGSSRELMN LTGTIPVPYR GNTYNIPICL WLLDTYPYNP PICFVKPTSS MTIKTGKHVD ANGKIYLPYL HEWKHPQSDL LGLIQVMIVV FGDEPPVFSR P.

Precautions

TSG101 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99816)