

**RSG1, 1-258aa, Human, His tag, E.coli**

**Cat.NO.: TP03805**

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3th Edition

**Synonyms:**REM2 and RAB-like small GTPase 1 , C1orf89, RP4-733M16.4

**Description:**RSG1 plays a role in targeted membrane trafficking most probably at the level of vesicle fusion with membranes. This protein is involved in cilium biogenesis by regulating the transport of cargo proteins to the basal body and to the apical tips of cilia. Recombinant human RSG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 50% glycerol, 2mM DTT

**Molecular Weight:**30.9 kDa (281aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMARPPVPGSVVVPNWHESAEGKEYLACILRKNRRRVFGLLERPVLLPPVSID  
TASYKIFVSGKSGVGKTALVAKLAGLEVPVHHETTGIQTTVFWPAKLQASSRVVMFRFEFWDCGESALKKFDHM  
LLACMENTDAFLFLFSFTDRASFEDLPGQLARIAGEAPGVVRMVGSKFDQYMHTDVPERDLTAFRQAWELPLLRV  
KSVPGRRRLADGRTL DGRAGLADVAHILNGLAEQLWHQDQVAAGLLPNPPESAPE

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.