

**SEC13, 1-322aa, Human, His tag, E.coli**

**Cat.NO.: TP03877**

3th Edition

**Synonyms:**Protein SEC13 homolog, D3S1231E, SEC13L1, SEC13R

**Description:**SEC13 belongs to the SEC13 family of WD-repeat proteins. It is a constituent of the endoplasmic reticulum and the nuclear pore complex. It has similarity to the yeast SEC13 protein, which is required for vesicle biogenesis from endoplasmic reticulum during the transport of proteins. This protein interacts with SEC31A and SEC31B. SEC31A was found to colocalize with SEC13, one of the other components of COPII, in the subcellular structures corresponding to the vesicle transport function. Recombinant human SEC13 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 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

**Molecular Weight:**37.7kDa (342aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMVSVINTVDTSHEDMIHDAQMDYYGTRLATCSSDRSVKIFDVRNGGQILIADLRG  
HEGPVWQVAWAHPMYGNILASCSYDRKVIIWRENGTWEKSHEHAGHDSSVNSVCWAPHDYGLILACGSSDGAI  
SLLTYTGEGQWEVKKINNAHTIGCNAVSWAPAVVPGSLIDHPGQKPNYIKRFASGGCDNLIKWLWKEEDGQWKEE  
QKLEAHSDDWVRDVAWAPSIGLPTSTIASCSQDGRVFIWTCDDASSNTWSPKLLHKFNDVVVHVSWSITANILAVSG  
GDNKVTLWKESVDGQWVCISDVNKGQGSVSASVTEGQQNEQ

**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.