Recombinant Human S100 Aalcium Binding Protein A16, His-tagged

Cat. No. SEC13-3505H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SEC13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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 is 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.
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
Purity	> 95% by SDS - PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MVSVINTVDT SHEDMIHDAQ MDYYGTRLAT

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acids	CSSDRSVKIF DVRNGGQILI ADLRGHEGPV WQVAWAHPMY GNILASCSYD RKVIIWREEN GTWEKSHEHA GHDSSVNSVC WAPHDYGLIL ACGSSDGAIS LLTYTGEGQW EVKKINNAHT IGCNAVSWAP AVVPGSLIDH PSGQKPNYIK RFASGGCDNL IKLWKEEEDG QWKEEQKLEA HSDWVRDVAW APSIGLPTST IASCSQDGRV FIWTCDDASS NTWSPKLLHK FNDVVWHVSW SITANILAVS GGDNKVTLWK ESVDGQWVCI SDVNKGQGSV SASVTEGQQN EQ
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.

GENE INFORMATION

Gene Name	SEC13 SEC13 homolog (S. cerevisiae)[Homo sapiens]
Synonyms	SEC13 homolog (S. cerevisiae); SEC13R; npp-20; SEC13L1; D3S1231E; SEC13; protein SEC13 homolog; OTTHUMP00000158855; OTTHUMP00000195525; OTTHUMP00000195527; SEC13-like 1 isoform; SEC13-like protein 1; SEC13-related protein; SEC13 (S. cerevisiae)-like 1; SEC13-like 1 (S. cerevisiae)
Gene ID	6396
mRNA Refseq	NM_001136232
Protein Refseq	NP_001129704
MIM	600152
UniProt ID	P55735
Chromosome Location	3p25-p24

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Function	protein binding

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