

## SEC13 Human

**Description:** SEC13 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 342 amino acids (1-322 a.a.) and having a molecular mass of 37.7kDa. The SEC13 is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-201

For research use only.

**Synonyms:** Protein SEC13 homolog, SEC13-like protein 1, SEC13-related protein, SEC13, D3S1231E, SEC13L1, SEC13R, npp-20.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MVSVINTVDT SHEDMIHDAQ  
MDYYGTRLAT CSSDRSVKIF DVRNGGQILI ADLRGHEGPV WQVAWAHPMY GNILASCSYD  
RKVIIWREEN GTWEKSHEHA GHDSSVNSVC WAPHDYGLIL ACGSSDGAIS LLTYTGEGQW  
EVKKINNAHT IGCNAVSWAPAVVPGSLIDH PSGQKPNYIK RFASGGCDNL IKLWKEEEDG  
QWKEEQKLEA HSD

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The SEC13 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

SEC13 is a member of the SEC13 family of WD-repeat proteins. SEC13 is a constituent of the endoplasmic reticulum and the nuclear pore complex. SEC13 is similar to the yeast SEC13 protein that is essential for vesicle biogenesis from endoplasmic reticulum during the transport of proteins. SEC13 interacts with SEC31A and SEC31B. SEC31A colocalizes with SEC13, one of the other components of COPII, in the subcellular structures corresponding to the vesicle transport function.

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