A Reliable Research Partner in Life Science and Medicine

Recombinant Human SEC13 protein (His Tag)

Catalog Number: PDEH100985

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Species Human

Source E.coli-derived Human SEC13 protein Met1-Gln322, with an N-terminal His & C-terminal

His

Calculated MW35.3 kDaObserved MW40 kDaAccessionP55735

Bio-activity Not validated for activity

Properties

Purity > 95% as determined by reducing SDS-PAGE.

Endotoxin < 10 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80

°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

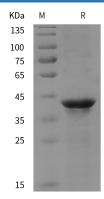
ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

Mannitol

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of

0.5 mg/mL. Concentration is measured by UV-Vis.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Sec13 is a ubiquitously expressed protein which participates in the formation of vesicles in the COPII complex with Sec23p.Sec24p, Sar1p and Sec31. The COPII vesicle budding complex was first described in the yeast system and was shown to provide coat proteins in the early secretory pathway. Sec13 is recruited to endoplasmic reticulum (ER) membranes where it forms a three dimensional cuboctahedron cage lattice structure by association with Sec31. This vesicular structure is necessary for ER-Golgi transport.