

Recombinant Human CYH1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50246

Size: 10ug, 100ug

Protein Name: Cytohesin-1 (PH, SEC7 and coiled-coil domain-containing protein 1) (SEC7 homolog B2-1)

Synonym: CYTH1, D17S811E, PSCD1

UniProt ID: Q15438

UniProt Link: www.uniprot.org/uniprotkb/Q15438/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 398 AA

Molecular Weight: 46 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEEDDSYVPSDLTAEERQELENIRRRKQELLADIQRLKDEIAEVANEIENLGSTEERKNMQRNKQVA
MGRKKFNMDPKKGIQFLIENDLLKNTCEDIAQFLYKGEGLNKTAGDYLGERDEFNIQVLHAFVELHE
FTDLNLVQALRQFLWSFRLPGEAQKIDRMMEAFQRYCQCNGVVFQSTDTCYVLSFAIIMLNTSLHN
PNVKDKPTVERFIAMNRGINDGGDLPEELLRNLYESIKNEPFKIPEDDGNDLTHTFNPDREGWLLKL
GGGRVKTWKRRWFILTDNCLYFEYTTDKEPRGIIPLENLSIREVEDSKKPNCFELYIPDNKDQVIKAC
KTEADGRVVEGNHTVYRISAPTPEEKEEWIKCIAAISRDPFYEMLAARKKKVSSTKRH

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Cytohesin-1 (PH, SEC7 and coiled-coil domain-containing protein 1) (SEC7 homolog B2-1) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6. Promotes the activation of ARF factors through replacement of GDP with GTP. Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization, through regulation of ARF6 activity.

Subcellular Localization: Cell membrane ; Peripheral membrane protein . Cytoplasm, cytosol . Cell junction, tight junction . Cell junction, adherens junction . Note=Colocalized with TJP1 during epithelial polarization.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.