

Recombinant Rat COR1A Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52560

Size: 10ug, 100ug

Protein Name: Coronin-1A (Coronin-like protein A) (Clipin-A) (Tryptophan aspartate-containing coat protein) (TACO)

Synonym: Coro1a, Coro1

UniProt ID: Q91ZN1

UniProt Link: www.uniprot.org/uniprotkb/Q91ZN1/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 461 AA

Molecular Weight: 51 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSRQVVRSSKFRHVFVGQPAKADQCYEDVRVSQTTWDSGFCVNPVKFMALICEASGGGAFLVLPLG
KTGRVDKNVPLVCGHTAPVLDAWCPHNDNVIASGSEDCTVMVWEIPDGGGLVLPLREPVTLEGHT
KRVGIVAWHPTAQNVLLSAGCDNVILVWDVGTGA AVLTLGPDVHPDTIYSVDWSRDGALICTSCRDK
RVRVIEPRKGTVAEKERPHEGTRPVHAVFVSEGKILTTGFSRMSERQVALWDTKHLEEPLSLQELD
TSSGVLLPFFDPDTNIVYLCGKGDSIRYFEITSEAPFLHYLSMFSSKESQRGMGYMPKRGLEVNKC
EIARFYKLHERKCEPIAMTVPRKSDLFQEDLYPPTAGPDPALTAEEWLSGRDAGPLLISLKDGYVPPK
SREL RVNRGLDSARRRATPEPSSTLSSD TVSRLEEDVRNLNAIVQKLQERLDRLEETVQAK

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 Coronin-1A (Coronin-like protein A) (Clipin-A) (Tryptophan aspartate-containing coat protein) (TACO) 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: May be a crucial component of the cytoskeleton of highly motile cells, functioning both in the invagination of large pieces of plasma membrane, as well as in forming protrusions of the plasma membrane involved in cell locomotion.

Subcellular Localization: Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Cytoplasmic vesicle, phagosome membrane .

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.