

Recombinant Rat CCD86 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52699

Size: 10ug, 100ug

Protein Name: Coiled-coil domain-containing protein 86 (Cytokine-induced protein with coiled-coil domain)

Synonym: Ccdc86, Cyclon

UniProt ID: Q5XIB5

UniProt Link: www.uniprot.org/uniprotkb/Q5XIB5/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 341 AA

Molecular Weight: 39 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGTPLRRSRRLEGLNPLSLENLPDPEVSRRAKRALVDFKSNPEETRELESPRVPLDLVSPQPQPETS
PESPCPKQDAGFGSPQRQPEPHPGSLQLHQDLGLDSPAGQTESNPESPQREQSSKLSPTQDSEVA
HAKEEVIPRSPEPCPGQQAPGPEPSQPAQELAFQAPSSPERQLEPSKLPPAGESVTGSLDLKKRVIA
SPQAPASKKLKEELPVIPKGPKSGRVWKDRSKKRFSQMVQDKPLRTSWQRKMKERQERKLAKDF
ARHLEEEKQRRRQEKKERRAENLRRRLENERKAEIVQVIRNPAKLKKAKKKQLRSIQKRDTLALLQK
QPPQRPVAKV

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 Coiled-coil domain-containing protein 86 (Cytokine-induced protein with coiled-coil domain) 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: Required for proper chromosome segregation during mitosis and error-free mitotic progression.

Subcellular Localization: Nucleus . Chromosome . Nucleus, nucleolus . Note=Localized to the nucleolus during the interphase and localized to the perichromosomal layer (also known as chromosome periphery) during mitosis; is particularly enriched at the perichromosomal layer during anaphase. Colocalizes with MKI67 during interphase and mitotic exit.

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.