

Recombinant Human ANKR1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50033

Size: 10ug, 100ug

Protein Name: Ankyrin repeat domain-containing protein 1 (Cardiac ankyrin repeat protein) (Cytokine-inducible gene C-193 protein) (Cytokine-inducible nuclear protein)

Synonym: ANKRD1, C193, CARP, HA1A2

UniProt ID: Q15327

UniProt Link: www.uniprot.org/uniprotkb/Q15327/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 319 AA

Molecular Weight: 36 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MMVLKVEELVTGKKNGNGEAGEFLPEDFRDGEYEA AVTLEKQEDLKTLLAHPVTLGEQQWKSEKQ
REAELKKKKLEQRSKLENLEDEIIIIQLKKRKKYRKTKVPVVKEPEPEIITEPVDVPTFLKAALENKLPV
VEKFLSDKNNPDVCDEYKRTALHRACLEGHLAIVEKLMEAGAQIEFRDMLESTAIHWASRGGNLDVL
KLLLNKGAKISARDKLLSTALHVAVRTGHYEC AEHLIACEADLNAKDREGDTPLHDAVRLNRYKMIRL
LIMYGADLNIKNCAGKTPMDLVLHWQNGTKAIFDSLRENSYKTSRIATF

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 Ankyrin repeat domain-containing protein 1 (Cardiac ankyrin repeat protein) (Cytokine-inducible gene C-193 protein) (Cytokine-inducible nuclear protein) 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 play an important role in endothelial cell activation. May act as a nuclear transcription factor that negatively regulates the expression of cardiac genes. Induction seems to be correlated with apoptotic cell death in hepatoma cells.

Subcellular Localization: Nucleus .

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.