

Recombinant Human FCAR Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50298

Size: 10ug, 100ug

Protein Name: Immunoglobulin alpha Fc receptor (IgA Fc receptor) (CD antigen CD89)

Synonym: FCAR, CD89

UniProt ID: P24071

UniProt Link: www.uniprot.org/uniprotkb/P24071/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 287 AA

Molecular Weight: 32 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDPKQTTLLCLVLCLGQRIQAQEGDFPMPFISAKSSPVIPLDGSVKIQCQAIREAYLTQLMIKNSTYR
EIGRRLKFWNETDPEFVIDHMDANKAGRYQCQYRIGHYRFYSDTLELVVTGLYGKPFLSADRGLVL
MPGENISLTCSSAHIPFDRFSLAKEGELSLPQHQSGEHPANFSLGPVDLNVSGIYRCYGWYNRSPYL
WSFPSNALELVVTDSDIHQDYTTQNLIRMAVAGLVLLVALLAILVENWHSHTALNKEASADVAEPSWSQ
QMCQPGLTFARTPSVCK

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 Immunoglobulin alpha Fc receptor (IgA Fc receptor) (CD antigen CD89) 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: Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production.

Subcellular Localization: [Isoform A.1]: Cell membrane; Single-pass type I membrane protein.; [Isoform A.2]: Cell membrane; Single-pass type I membrane protein.; [Isoform A.3]: Cell membrane; Single-pass type I membrane protein.; [Isoform B]: Secreted.; [Isoform B-delta-S2]: Secreted.

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.