

Recombinant Human FCRL6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50302

Size: 10ug, 100ug

Protein Name: Fc receptor-like protein 6 (FcR-like protein 6) (FcRL6) (Fc receptor homolog 6) (FcRH6) (IFGP6)

Synonym: FCRL6, FCRH6

UniProt ID: Q6DN72

UniProt Link: www.uniprot.org/uniprotkb/Q6DN72/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 434 AA

Molecular Weight: 48 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLLWTAVLLFVPCVGKTVWLYLQAWPNPVFEGDALTLRCQGWNKNTPLSQVKFYRDGKFLHFSKEN
QTLSMGAATVQSRGQYSCSGQVMYIPQTFTQTSETAMVQVQELFPPVLSAIPSPEPREGLVTLR
CQTKLHPLRSALRLLFSFHKDGH TLQDRGPHPELCIPGAKEGDSGLYWCEVAPEGGQVQKQSPQL
EVRVQAPVSRPVLTLHHGPADPAVGDMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPCGGTTSLLF
PVKSEQDAGNYSCEAENSVSRERSEPKLSLKGSQVLFTPASNWLVPWLPASLLGLMVIAAALLVYV
RSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKGKDEGVVYSVVHRTSKRSEARSAEFTVGRKDS
SIICAEVRCLQPSEVSSTEVMRSRTLQEPLSDCEEVLC

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 Fc receptor-like protein 6 (FcR-like protein 6) (FcRL6) (Fc receptor homolog 6) (FcRH6) (IFGP6) 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: Acts as a MHC class II receptor (PubMed:20519654). When stimulated on its own, does not play a role in cytokine production or the release of cytotoxic granules by NK cells and cytotoxic CD8(+) T cells (PubMed:17213291, PubMed:18991291). Does not act as an Fc receptor (PubMed:18991291).

Subcellular Localization: Cell membrane ; Single-pass type I membrane protein .

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.