

Recombinant Human I17RE Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50432

Size: 10ug, 100ug

Protein Name: Interleukin-17 receptor E (IL-17 receptor E) (IL-17RE)

Synonym: IL17RE, UNQ3056/PRO9877

UniProt ID: Q8NFR9

UniProt Link: www.uniprot.org/uniprotkb/Q8NFR9/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 667 AA

Molecular Weight: 75 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGSSRLAALLPLLLIVIDLSDSAGIGFRHLPHWNTRCPLASHTDDSFTGSSAYIPCRTWWALFSTKP
WCVRVWHCSRCLCQHLLSGGSGLRGLFHLLVQKSKKSSTFKFYRRHKMPAPAQRKLLPRRHLSE
KSHHISIPSPDISHKGLRSKRTQPSDPETWESLPRLDSQRHGGPEFSFDLLPEARAIRVTISSGPEVS
VRLCHQWALECEELSSPYDVQKIVSGGHTVELPYEFLLPCLCIEASYLQEDTVRRKKCPFQSWPEAY
GSDFWKSVHFTDYSQHTQMVMALTLRCLPLKLEAALCQRHDWHTLCKDLPNATARES DGWYVLEKV
DLHPQLCFKFSFGNSSHVECPHQGTGSLTSWNVSMQTQAQQLILHFSSRMHATFSAAWSLPGLGQD
TLVPPVYTVSQARGSSPVSLDLIIPFLRPGCCVLVWRSQVQFAWKHLLCPDVSYRHLGLLILALLALT
LLGVVLALTCRRPQSGPGPARPVLLLHAADSEAQRRLVGALAE LLRAALGGGRDVIVDLWEGRHVA
RVGPLPWLWAARTRVAREQGTVLLLWSGADLRPVSGPDPRAPLLALLHAAPRPLLLLAYFSRLCA
KGDIPPLRALPRYRLLRDLPRLLRALDARPF AEATSWGRLGARQRRQSRLELC SRLEREAARLADL
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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 Interleukin-17 receptor E (IL-17 receptor E) (IL-17RE) 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: Specific functional receptor for IL17C. May be signaling through the NF-kappa-B and MAPK pathways. May require TRAF3IP2 /ACT1 for signaling. May be a crucial regulator in innate immunity to bacterial pathogens. Isoform 2 and isoform 4 may be either cytoplasmic inactive or dominant active forms. Isoform 3 and isoform 5 may act as soluble decoy receptors.

Subcellular Localization: [Isoform 1]: Cell membrane ; Single-pass type I membrane protein . ; [Isoform 2]: Cytoplasm . ; [Isoform 3]: Secreted . ; [Isoform 4]: Cytoplasm . ; [Isoform 5]: 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.