

# Recombinant Mouse I17RE Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51727

Size: 10ug, 100ug

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

Synonym: Il17re

UniProt ID: Q8BH06

UniProt Link: [www.uniprot.org/uniprotkb/Q8BH06/entry](http://www.uniprot.org/uniprotkb/Q8BH06/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 637 AA

Molecular Weight: 71 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MGSPRLAALLLSLPLLLIGLAVSARVACPCLRSWTSHCLLAYRVDKRFAGLQWGWFP LLVRKSKSP  
KFEDYWRHRT PASFQRKLLGSPSLSEESHRISSIPSSAISHRGQRTKRAQPSAAEGREHLPEAGSQKC  
GGPEFSFDLLPEVQAVRVTIPAGPKASVRLCYQWALECEDLSSPFDTQKIVSGGHTVDLPYEFLLPC  
MCIEASYLQEDTVRRKKCPFQSWPEAYGSDFWQSIRFTDYSQHNQMVMALTLCPLKLEASLCWR  
QDPLTPCETLPNATAQESEGWYILENVDLHPQLCFKFSFENSSHVECPHQSGSLPSWTVSMDTQAA  
QLTLHFSSRTYATFSAAWS DPGLGPDTPMPPVYSISQTQGSVPVTLDLIIPFLRQENCILVWRSDVHF  
AWKHVLC PDVSHRHLG LLILALLALTALVGVLVLLGRLLPGSGRTRPVLLLHAADSEAQRRLVGAL  
AELLRTALGGGRDVVDLWEGTHVARIGPLPWLWAARERVAREQGTVLLLWNCAGPSTACSGDPQ  
AASLRTLLCAAPRPLLLAYFSRLCAKGDIPRPLRALPRYRLRLDLPRLLRALDAQPATLASSWSHLGA  
KRCLKNRLEQCHLLELEAAKDDYQGSTNSPCGFSC

## 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, signaling through the NF-kappa-B and MAPK pathways. Requires TRAF3IP2 /ACT1 for signaling. Crucial regulator in innate immunity to bacterial pathogens, such as *Citrobacter rodentium*. Isoform 4 and isoform 5 may be either cytoplasmic inactive or dominant active forms. Isoform 2 and isoform 3 may act as soluble decoy receptors.

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

## 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.