

Recombinant Rat CRLF2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52553

Size: 10ug, 100ug

Protein Name: Cytokine receptor-like factor 2 (Thymic stromal lymphopoietin protein receptor) (TSLP receptor)

Synonym: Crlf2, Tslpr

UniProt ID: Q8R4S8

UniProt Link: www.uniprot.org/uniprotkb/Q8R4S8/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 360 AA

Molecular Weight: 38 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MRAVTWAIVAMLLPRVLGAIPTRTPRTGGVGD TLSVAIVCHDLESVEVTWGP GSAHHGLSANLSLEF
RYGNQVPQPCPHYFL LDSVRAGCVLPMGKGLLEVVLREGG GAKLFSRKKKASAWLRPRPPWNVTL
SWVGDTVAVSCPSHSY PGLEYEYVQHRDDFDPEWQSTSAPFCNLTVGGLDPGRCYDFRVRATPQD
FYYGPEARPSKWTGVAS LQGVGPTGSCTGPTLPRTPGTPTPPLALACGLAVALLTLVLLALLRMRR
VKEALLPGVPDPRGSFP GLFEKHHGNFQAWIADSQA AVPTVPEQDKDDDVIRPQTKGVETQEDDDV
IAPGSPCLGGGALMSV GGASFLMGDSGYTTL

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 Cytokine receptor-like factor 2 (Thymic stromal lymphopoietin protein receptor) (TSLP receptor) 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: Receptor for thymic stromal lymphopoietin (TSLP). Forms a functional complex with TSLP and IL7R which is capable of stimulating cell proliferation through activation of STAT3 and STAT5 (By similarity). Also activates JAK2 (By similarity). Implicated in the development of the hematopoietic system.

Subcellular Localization: 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.