

# Recombinant Mouse CRLF2 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51771

Size: 10ug, 100ug

Protein Name: Cytokine receptor-like factor 2 (Cytokine receptor-like molecule 2) (CRLM-2) (Thymic stromal lymphopoietin protein receptor) (TSLP receptor) (Type I cytokine receptor delta 1)

Synonym: Crlf2, Crlm2, Tpte2, Tslpr

UniProt ID: Q8CII9

UniProt Link: [www.uniprot.org/uniprotkb/Q8CII9/entry](http://www.uniprot.org/uniprotkb/Q8CII9/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 359 AA

Molecular Weight: 38 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MAWALAVILLPRLLAAAAAAAVTSRGDVTVVCHDLETVEVTWGSQPDHGHGANLSLEFRYGTGALQ  
PCPRYFLSGAGVTSGCILPAARAGLLELALRDGGGAMVFKARQRASAWLKPRPPWNVTLWTPDG  
DVTVSWPAHSYLGLDYEYVQHRESNDDAWQTTSGPCCDLTVGGLDPARCYDFRVRASPRAAHY  
GLEAQPSEWTAVTRLGAASAASCTASPAPSPALAPLLPLGCGLAALLTSLLLAALRLRRVKDALL  
PCVPDPSPGSFPGLEKHHGNFQAWIADAQATAPPARTEEDDLIHPKAKRVEPEDGTSLECTVPRPP  
SFEPRGPGGGAMVSVGGATFMVGDSGYMTL

## 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 (Cytokine receptor-like molecule 2) (CRLM-2) (Thymic stromal lymphopoietin protein receptor) (TSLP receptor) (Type I cytokine receptor delta 1) 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. Also activates JAK2. Implicated in the development of the hematopoietic system.

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