

Recombinant Mouse Crlf2 protein, His-tagged

Cat. No. Crlf2-452M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crlf2(Ala20-Leu233) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Ala20-Leu233
Description	The cytokine thymic stromal lymphopoietin receptor (TSLPR) is consisting of a common γ receptor-like chain (TSLPR-γ) and a common interleukin 7 (IL-7) Rα chain that belongs to the type 1 cytokine receptor family. Transfection of TSLPR cDNA result in only low affinity binding, while cotransfection of the IL-7Rα chain cDNA shows high affinity binding. TSLP and TSLPR play a critical role in the initiation of allergic diseases in mice. The TSLP R cDNA encodes a transmembrane receptor containing 370 amino acids (aa) with two potential N-linked glycosylation sites and a cytoplasmic domain of 104 aa including a single tyrosine residue. TSLPR can mediate signaling of the signal transducer and activator of transcription 5 (Stat5) by TSLP. TSLP R is broadly expressed in the immune and hematopoietic cells, particularly in hematopoietic progenitors and myeloid cells.
Form	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
AA Sequence	AAAVTSRGDVTVVCHDLETVEVTWGS GPDHHSANLSLEFRYGTGALQPCPRYFLS

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GAGVTSGCIL PAARAGLLELALRDGGGAMVFKARQRASAWLKPRPPWNVTLTWTP
DGDVTVSWPAHSYLGLDYEV QHRESNDDEDAWQTTSGPCCDLTVGGGLDPARCYD
FRVRASPRAAHYGLEAQPSEWTAVTRLSGAA SAASCTASPAPSPALAPPLVDHHH
HHH

Endotoxin Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.

Purity Greater than 95% as determined by reducing SDS-PAGE.

Storage Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name [Crlf2 cytokine receptor-like factor 2 \[Mus musculus \]](#)

Official Symbol [Crlf2](#)

Synonyms CRLF2; cytokine receptor-like factor 2; CRLM-2; delta 1; TSLP receptor; lymphocyte antigen 114; type I cytokine receptor delta 1; cytokine receptor-like molecule 2; thymic stromal lymphopoietin protein receptor; thymic stromal-derived lymphopoietin, receptor; transmembrane phosphoinositide 3-phosphatase and tensin homolog 2;

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	CRLM2; Ly114; Tpte2; Tslpr;
Gene ID	57914
mRNA Refseq	NM_001164735
Protein Refseq	NP_001158207
MIM	
UniProt ID	Q8CII9
Chromosome Location	5; 5 F
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine activity; receptor activity;

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