

## 32-8606: Recombinant Mouse Thymic Stromal Lymphopoietin Receptor/TSP R (C-Fc)

**Gene :** Crlf2  
**Gene ID :** 57914  
**Uniprot ID :** Q8CII9

### Description

Source: Human Cells.  
MW :49.8kD.

Recombinant Mouse Thymic stromal lymphopoietin protein receptor is produced by our Mammalian expression system and the target gene encoding Ala20-Leu233 is expressed with a Fc tag at the C-terminus. The cytokine thymic stromal lymphopoietin receptor (TSLPR) is consisting of a common gamma receptor-like chain (TSLPR- gamma ) and a common interleukin 7 (IL-7) R alpha 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-7R alpha 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** AAAVTSRGDVTVVCHDLETVEVTWGS GPDHHSANLSLEFRYGTGALQPCPRYFLSGAGVTSGCILPAARAGLL ELALRDGGGAMVFKARQASAWLKPRPPWNVTLLWTPDGDVTVSWPAHSYLGLDYEVQHRESNDDAWQ TTSGPCCDLTVGGGLDPARCYDFRVRASPRAAHYGLEAQPSEWTAVTRLGAASAASCTASPAPSPALAPPLVD DIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGV EVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRE EMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSVM HEALHNHYTQKSLSLSPGK

### Application Note

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