

## 32-8605: Recombinant Mouse Thymic Stromal Lymphopoietin Receptor/TSP R (C-6His)

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

### Description

Source: Human Cells.  
MW :23.7kD.

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 6His 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 :** AA AVTSR G D V T V V C H D L E T V E V T W G S G P D H H S A N L S L E F R Y G T G A L Q P C P R Y F L S G A G V T S G C I L P A A R A G L L E L A L R D G G G A M V F K A R Q R A S A W L K P R P P W N V T L L W T P D G D V T V S W P A H S Y L G L D Y E V Q H R E S N D D E D A W Q T T S G P C C D L T V G G L D P A R C Y D F R V R A S P R A A H Y G L E A Q P S E W T A V T R L S G A A S A A S C T A S P A P S P A L A P P L V D H H H H H H

### Application Note

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