

**Recombinant Mouse Thymic Stromal Lymphopoietin Receptor/TSP R Protein(C-6His)**

**Cat.NO.: TP05445**

3th Edition

**Synonyms:**CRL2; CRLF2; CRL2 cytokine receptor; Cytokine receptor-like 2; cytokine receptor-like factor 2; ILXR; IL-XR; P2RY8/CRLF2 fusion; Thymic stromal lymphopoietin protein receptor; Thymic stromal-derived lymphopoietin receptor; TSLP receptor; TSLPR

**Description:**The cytokine thymic stromal lymphopoietin receptor (TSLPR) is consisting of a common ? receptor-like chain (TSLPR-?) and a common interleukin 7 (IL-7) R? 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? 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:**PBS

**Molecular Weight:**23.7 kDa

**Sequences:**Ala20-Leu233

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.