

Product datasheet for **TP727337**

Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Thymic Stromal Lymphopoietin Receptor/TSP R (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala20-Leu233
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	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.
Storage:	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.
Stability:	12 months from date of despatch
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
Summary:	The cytokine thymic stromal lymphopoietin receptor (TSLPR) is consisting of a common β receptor-like chain (TSLPR- β) and a common interleukin 7 (IL-7) α 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-7 α 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.



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