



## Thymic Stromal Lymphopoietin Receptor, human rec. (rHuTSLPR)

**Catalog No:** 97663  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** CRL2, CRLF2Y, Cytokine receptor-like factor 2, Cytokine receptor-like 2, IL-XR, ILXR

### Background

Thymic Stromal Lymphopoietin Receptor (TSLPR) is a member of the type I cytokine receptor family. TSLPR, alongside the interleukin 7 receptor (IL7R), activates STAT3, STAT5, and JAK2 pathways, which regulate processes such as cell proliferation and development of the hematopoietic system. Two transcript variants encoding dissimilar isoforms have been found for this gene. TSLPR is expressed in the heart, skeletal muscle, kidneys and adult and fetal liver.

### Description

TSLPR Human Recombinant, produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 232 amino acids (23-231 aa). It has a molecular mass of 26.6 kDa. TSLPR is fused to a 23 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered, colorless solution.

### Formulation

TSLPR protein solution (1mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.4 M urea and 10% glycerol.

### Stability

Store at 4°C, if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 85% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSQGAAEG VQIQIIYFNL ETVQVTWNAS KYSRTNLTFH YRFNGDEAYD QCTNYLLQEG  
HTSGCLLDAE QRDDILYFSI RNGTHPVFTA SRWMVYYLKP SSPKHVRFWS HQDAVTVTCS DLSYGDLLYE VQYRSPFDTE  
WQSKQENTCN VTIEGLDAEK CYSFWVRVKA MEDVYGPDTY PSDWSEVTCW QRGEIRDACA ETPTPPKPKL SK

### Usage

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