

TSLP R Protein, Human (HEK293, His)

Cat. No.:	HY-P71389
Synonyms:	CRL2; CRL2cytokine receptor CRL2 precursor; CRLF2; CRLF2Y; CRLM-2; Cytokine receptor-like 2; cytokine receptor-like factor 2; ILXR; IL-XR; P2RY8/CRLF2 fusion; PCOR1; TSLP R; TSLP receptor; TSLPR
Species:	Human
Source:	HEK293
Accession:	Q9HC73 (G25-K231)
Gene ID:	64109
Molecular Weight:	35-50 kDa

PROPERTIES

AA Sequence	<p>G A A E G V Q I Q I I Y F N L E T V Q V T W N A S K Y S R T N L T F H Y R F N G D E A Y D Q C T N Y L L Q E G H T S G C L L D A E Q R D D I L Y F S I R N G T H P V F T A S R W M V Y Y L K P S S P K H V R F S W H Q D A V T V T C S D L S Y G D L L Y E V Q Y R S P F D T E W Q S K Q E N T C N V T I E G L D A E K C Y S F W V R V K A M E D V Y G P D T Y P S D W S E V T C W Q R G E I R D A C A E T P T P P K P K L S K</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The TSLP R Protein serves as the receptor for thymic stromal lymphopoietin (TSLP) and, in conjunction with IL7R, forms a functional complex capable of stimulating cell proliferation through the activation of STAT3 and STAT5. Additionally, the receptor activates JAK2, contributing to the development of the hematopoietic system. The TSLP R Protein forms a heterodimer with CRLF2 and IL7R, indicating its involvement in intricate signaling pathways critical for cellular responses and hematopoietic development.
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Caution: Product has not been fully validated for medical applications. For research use only.

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