

TSLPR Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P70823
Synonyms:	CRL2; CRLF2; CRL2 cytokine receptor; cytokine receptor-like factor 2; ILXR; IL-XR; P2RY8/CRLF2 fusion; Thymic stromal lymphopoietin protein receptor; Thymic stromal-derived lymphopoietin receptor; TSLP receptor; TSLPR
Species:	Mouse
Source:	HEK293
Accession:	AAH23788.1 (A20-L233)
Gene ID:	57914
Molecular Weight:	62-88 kDa

PROPERTIES

AA Sequence	<pre> A A A V T S R 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 </pre>
Biological Activity	Mouse TSLP R-Fc(Cat#CK37) on Protein A Biosensor can bind Human TSLP with an affinity constant of 67.3 nM.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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	Cytokine receptor-like factor 2 (Crlf2), also known as thymic stromal lymphopoietin (TSLP) receptor, is a receptor for thymic stromal lymphopoietin (TSLP). Crlf2 can form a functional complex with TSLP and IL7RA, and overexpression of Crlf2 stimulates cell proliferation through activation of the JAK-STAT pathway (STAT3 and STAT5). Crlf2 is usually upregulated and mutated in populations of B-progenitor acute lymphoblastic leukemia (B-ALL) ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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