Recombinant Human CRLF2, MYC/DDK-tagged

Cat. No. CRLF2-75H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRLF2, transcript variant 1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the type I cytokine receptor family. The encoded protein is a receptor for thymic stromal lymphopoietin (TSLP). Together with the interleukin 7 receptor (IL7R), the encoded protein and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system. Rearrangement of this gene with immunoglobulin heavy chain gene (IGH) on chromosome 14, or with P2Y purinoceptor 8 gene (P2RY8) on the same X or Y chromosomes is associated with B-progenitor acute lymphoblastic leukemia (ALL) and Down syndrome ALL. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	41.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	CRLF2 cytokine receptor-like factor 2 [Homo sapiens (human)]
Official Symbol	CRLF2
Synonyms	CRLF2; cytokine receptor-like factor 2; CRL2; TSLPR; IL-XR; TSLP receptor; P2RY8/CRLF2 fusion; cytokine receptor-like 2; cytokine receptor CRL2 precusor; thymic stromal lymphopoietin receptor; thymic stromal lymphopoietin protein receptor; thymic stromal-derived lymphopoietin receptor; CRLF2Y
Gene ID	64109
mRNA Refseq	NM_022148
Protein Refseq	NP_071431
MIM	300357
UniProt ID	Q9HC73
Chromosome Location	Xp22.3; Yp11.3
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; TSLP Signaling Pathway

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