

Product datasheet for PH321190

CRLF2 (NM_022148) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CRLF2 MS Standard C13 and N15-labeled recombinant protein (NP_071431)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221190
Predicted MW:	41.8 kDa
Protein Sequence:	>RC221190 representing NM_022148 Red=Cloning site Green=Tags(s) MGRLLVLLWGAAVFLLGGWMALGGGAEGVQIQIIFYNLETQVVTWNASKYSRTNLTFFHYRFNGDEAYDQC TNYLLQEGHTSGCLLDAEQRDDILYFSIRNGTHPVFTASRWMVYYLKPSSPKHVRFSWHQDAVTVTCSDL SYGDLLYEVQYRSPFDTEWQSKQENTCNVTIEGLDAEKCYFVWRVKAMEDVYGPDTYPSDWSEVTCWQR GEIRDACAETPTPPKPKLSKIFILISSLAILLMVSLLLLSLWKLWRVRKFLIPSVPDPKSIFFPLFEIHQG NFQEWITDTONVAHLHKMAGAEQESGPEEPLVVQLAKTEAESPRMLDPQTEEKEASGGSLQLPHQPLQGG DVVTIGGFTFVMNDRSYVAL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_071431
RefSeq Size:	1579
RefSeq ORF:	1110
Synonyms:	CRL2; CRLF2Y; TSLPR
Locus ID:	64109



[View online »](#)

UniProt ID: [Q9HC73](#), [D0E2W4](#)

Cytogenetics: X;Y

Summary: 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. [provided by RefSeq, Sep 2014]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified CRLF2 protein (Cat# [TP321190]). The protein was produced from HEK293T cells transfected with CRLF2 cDNA clone (Cat# [RC221190]) using MegaTran 2.0 (Cat# [TT210002]).