

Product datasheet for PH321190

OriGene Technologies, Inc.

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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:HumanExpression 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)

MGRLVLLWGAAVFLLGGWMALGQGGAEGVQIQIIYFNLETVQVTWNASKYSRTNLTFHYRFNGDEAYDQC TNYLLQEGHTSGCLLDAEQRDDILYFSIRNGTHPVFTASRWMVYYLKPSSPKHVRFSWHQDAVTVTCSDL SYGDLLYEVQYRSPFDTEWQSKQENTCNVTIEGLDAEKCYSFWVRVKAMEDVYGPDTYPSDWSEVTCWQR GEIRDACAETPTPPKPKLSKFILISSLAILLMVSLLLLSLWKLWRVRKFLIPSVPDPKSIFPGLFEIHQG NFQEWITDTQNVAHLHKMAGAEQESGPEEPLVVQLAKTEAESPRMLDPQTEEKEASGGSLQLPHQPLQGG

DVVTIGGFTFVMNDRSYVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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



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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

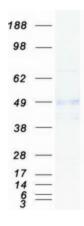
processes such as cell proliferation and development of the hematopoietic system.

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]).