HUMAN CRLF2 PROTEIN, HIS TAG

Cat.#: 11245

Product Name: Human CRLF2 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CRL2;TSLPR;CRLF2Y

Target: CRLF2

UNIPROT ID: Q9HC73

Description: Recombinant Human CRLF2 Protein with C-terminal 6XHis tag

Background: 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 25.0 kDa after removal of the signal peptide. The apparent molecular mass of CRLF2-His is approximately 25-55 kDa due to glycosylation.

Molecular Characterization: CRLF2(Gln23-Lys231) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
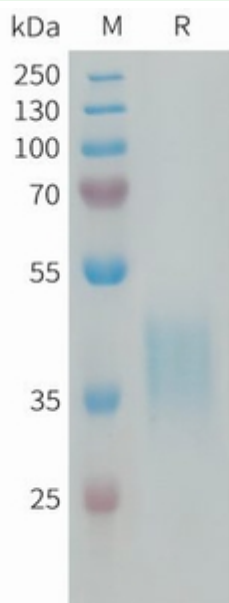
Figure 1.Human CRLF2 Protein, His Tag on SDS-PAGE under reducing condition.