

Recombinant human CRLF2 protein

Catalog Number: ATGP2022

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-231aa

UniProt No.

Q9HC73

NCBI Accession No.

NP_071431

Alternative Names

Cytokine receptor-like factor 2 isoform 1 precursor, CRL2, CRLF2Y, TSLPR, Cytokine receptor-like factor 2 isoform 1, CRLF2, Cytokine receptor-like 2, ILXR, Thymic stromal lymphopoietin protein receptor, TSLP receptor

PRODUCT SPECIFICATION

Molecular Weight

26.6 kDa (232aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CRLF2 is a receptor for thymic stromal lymphopoietin (TSLP). Together with the interleukin 7 receptor (IL7R), the protein and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human CRLF2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>QGGA AEG VQIQIYFNL ETVQVTWNAS KYSRTNLT FH YRFNGDEAYD
QCTNYLLQEG HTSGCLLDAE QRDDILYFSI RNGTHPVFTA SRWMVYYLKP SSPKHVRFSW HQDAVTVTCS DLSYGDLLYE
VQYRSPFDTE WQSKQENTCN VTIEGLDAEK CYSFWVRVKA MEDVYGPDY PSDWSEVTCW QRGEIRDACA ETPTPPKPKL
SK

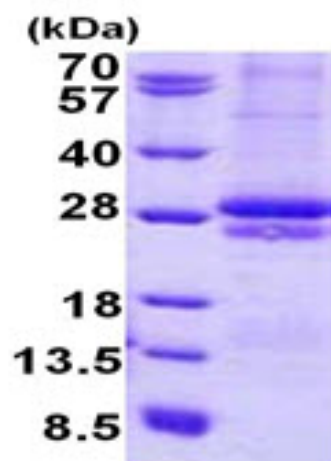
General References

Chen, I.M., et al. (2012) Blood 119 (15), 3512-3522

Haslam, K., et al. (2011) Int J Lab Hematol 33 (6), E17-E19

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)