

# Recombinant human CRLF2 protein

Catalog Number: ATGP2022

## PRODUCT INFORMATION

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### 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

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### 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

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### 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>QGGAAEG VQIQIYFNL ETVQVTWNAS KYSRTNLTFFH YRFNGDEAYD  
QCTNYLLQEG HTSGCLLDAE QRDDILYFSI RNGTHPVFTA SRWMVYYLKP SSPKHVRFWSW HQDAVTVTCS DLSYGDLLYE  
VQYRSPFDTE WQSKQENTCN VTIEGLDAEK CYSFWVRVKA MEDVYGPDTY PSDWSEVTCW QRGEIRDACA ETPTPPKPKL  
SK

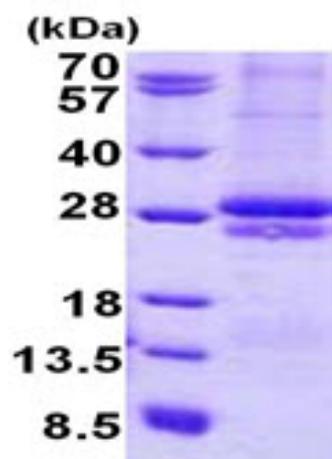
### General References

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)