

Recombinant human CRLF2 protein

Catalog Number: ATGP3478

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-231aa

UniProt No.

Q9HC73

NCBI Accession No.

NP_071431.2

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

25.2 kDa (218aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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, also known as cytokine receptor-like factor 2 isoform 1, is a receptor for thymic stromal lymphopoietin. It is proposed to signal through a heterodimeric receptor complex that consists of a new member of the hemopoietin family termed CRLF2 and the IL-7R alpha-chain. The protein induces phosphorylation of Stat3 and

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Stat5 also activate JAK2 pathways. CRLF2 and IL-7R alpha are principally coexpressed on monocytes and dendritic cell populations and to a much lesser extent of various lymphoid cells. Recombinant human CRLF2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>QGAAEG VQIQIYFNL ETVQVTWNAS KYSRTNLTFH YRFNGDEAYD QCTNYLLQEG HTSGCLLDAE QRDDILYFSI
RNGTHPVFTA SRWMVYYLKP SSPKHVRFWS HQDAVTVTCS DLSYGDLLYE VQYRSPFDTE WQSKQENTCN VTIEGLDAEK
CYSFWVRVKA MEDVYGPDTY PSDWSEVTCW QRGEIRDACA ETPTPPKPKL SK<HHHHHH>

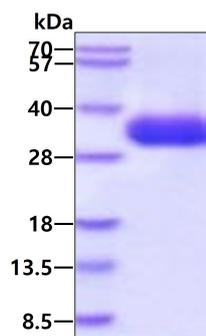
General References

Reche PA., et al. (2001) J Immunol. 167:336-343.

Chen IM., et al. (2012) Blood. 119:3512-3522.

DATA

SDS-PAGE



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