Recombinant human IL-10R beta/IL10RB protein

Catalog Number: ATGP3664

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
20-220aa

UniProt No.
Q08334

NCBI Accession No.
NP_000619

Alternative Names
Interleukin 10 receptor subunit beta, IL-10 receptor subunit beta, IL-10R subunit beta, Cytokine receptor class-II member 4, Cytokine receptor family 2 member 4, CRF2-4, Interleukin-10 receptor subunit 2, IL-10R subunit 2, IL-10R2, CDw210b, CRFB4, D21S58, D21S66

PRODUCT SPECIFICATION

Molecular Weight
50.5 kDa (440aa)

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
hIgG-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
IL10RB, also known as interleukin-10 receptor subunit beta, is a transmembrane glycoprotein that functions as a co-receptor for several class 2 cytokines including Interleukins-10, -22, -26, -28A/IFN-lambda 2, -28B/IFN-lambda

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3, and -29/IFN-lambda. Co-expression of this and IL10RA proteins has been shown to be required for IL10-induced signal transduction. Recombinant human IL10RB protein, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

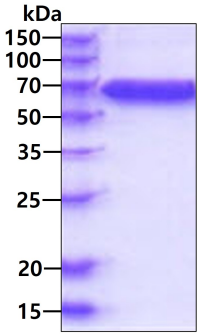
MVPPPENVRM NSVNFKNILQ WESPAFAKGN LTFTAQYLSY RIFQDKCMNT TLTECDFSSL SKYGDHTLRV RAEFADEHSD WVNITFCPVD DTIIGPPGMQ VEVLADSLHM RFLAPKIENE YETWTMKNVY NSWTYNVQYW KNGTDEKFQI TPQYDFEVLR NLEPWTTYCV QVRGFLPDRN KAGEWSEPVC EQTTHDETVP S<LEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSDGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH>

General References

Khare V., et al, (2015) Cancer Immunol Res. 3:1227-1235.
Spencer SD., et al, (1998) J. Exp. Med. 187: 571-578.

DATA

SDS-PAGE



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