Recombinant human IL-10R alpha/IL10RA protein

Catalog Number: ATGP3074

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
22-235aa

UniProt No.
Q13651

NCBI Accession No.
NP_001549.2

Alternative Names
Interleukin 10 receptor subunit alpha, IL-10 receptor subunit alpha, IL-10R subunit alpha, IL-10RA, CD210, CDw210a, Interleukin-10 receptor subunit 1, IL-10R subunit 1, IL-10R1, HIL-10R

PRODUCT SPECIFICATION

Molecular Weight
25.2 kDa (220aa)

Concentration
0.2mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity
> 85% 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
IL10RA, also known as Interleukin-10 receptor subunit alpha, is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the

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insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. It has been shown to interact with Interleukin 10 and Janus kinase 1. Recombinant human IL10RA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

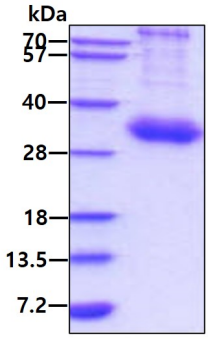
HGTELPSPPS VWFEAEFFHH ILHWTPIPNQ SESTCYEVAL LRYGIESWNS ISNCSQTLSY DLTAVTLDLY HSNGYRARVR AVDGSRHSNW TVTNTRFSVD EVTLTVGSVN LEIHNGFILG KIQLPRPKMA PANDTYESIF SHFREYEIAI RKVPGNFTFT HKKVKHENFS LLTSGEVGEF CVQVKPSVAS RSNKGMWSKE ECISLTRQYF TVTN<HHHHHH>

General References

Josephson K, et al. (2001) Acta Crystallogr D Biol Crystallogr. 57(Pt 12):1908-11.
Usacheva A, et al. (2002) J Immunol. 169(3):1302-8.

DATA

SDS-PAGE



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