Recombinant rat IL-11R alpha/IL11RA protein

Catalog Number: ATGP3422

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
24-371aa

UniProt No.
Q99MF4

NCBI Accession No.
NP_620816.1

Alternative Names
Il11ra1, Interleukin-11 receptor subunit alpha, IL-11 receptor subunit alpha, IL-11R subunit alpha, IL-11R-alpha, IL-11RA, Soluble interleukin-11 receptor subunit alpha, sIL-11R, sIL-11RA, sIL11RA

PRODUCT SPECIFICATION

Molecular Weight
39.2 kDa (356aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% 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
Il11ra1, also known as interleukin-11 receptor subunit alpha, is a subunit of the interleukin 11 receptor which is a member of the hematopoietic cytokine receptor family. It can utilize IL6ST for initiating signal transmission. It is expressed in a number of cell lines, including the myelogenous leukemia cell line K562, the megakaryocytic

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leukemia cell line Mo7E, the erythroleukemia cell line TF1, and the osteosarcoma cell lines, MG-63 and Saos-2. It is also expressed in normal and malignant prostate epithelial cell lines. Recombinant rat Il11ra1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

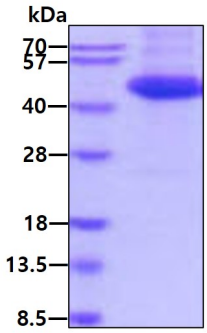
TPCPQAWGPP GVQYGQPGRP VMLCCPGVNA GTPVSWFRDG DSRLLQGPDS GLGHRLVLAQ VDSRDEGTYV CRTLDGVFGG MVTLKLGSPP ARPEVSCQAV DYENFSCTWS PGRVSGLPTR YLTSYRKKTL PGAESQRESP STGPWPCPQD PLEASRCVVH GAEFWSEYRI NVTEVNPLGA STCLLDVRLQ RILRPDPPQG LRVESVPGYP RRLHASWTYP ASWRRQPHFL LKFRLQYRPA QHPAWSTVEP IGLEELITDA VAGLPHAVRV SARDFLDAGT WSAWSPEAWG TPSTGPLRDE VPDGSRGHEQ KLEAAAQEDS PAPPSPSLQP DPRPLDHRDP LEQVAVLA<VE HHHHHH>

General References

Yoshizaki A.,et al. (2006) Int J Oncol. 29:869-876.
Kiessling S.,et al. (2004) J Biol Chem. 279:10304-10315.

DATA

SDS-PAGE



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