

Datasheet for ABIN7281332

IL1R2 Protein (AA 14-343) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	IL1R2
Protein Characteristics:	AA 14-343
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1R2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	FTLQPAAHGTG AARSCRFRGR HYKREFRLEG EPVALRCPQV PYWLWASVSP RINLTWHKND SARTVPGEET TRMWAQDGAL WLLPALQEDS GTYVCTTRNA SYCDKMSIEL RVFENTDAFL PFISYPQILT LSTSGVLVCP DLSEFTRDKT DVKIQWYKDS LLLDKDNEKF LSVRGTTTHLL VHDVALEDAG YYRCVLTFAH EGQQYNITRS IELRIKKKKE ETIPVIISPL KTISASLGSR LTIPCKVFLG TGTPLTTMLW WTANDTHIES AYPGGRVTEG PRQEYSENNE NYIEVPLIFD PVTREDLHMD FKCVVHNTLS FQTLRTTVKE LEHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its ability to inhibit proliferation using D10.G4.1 mouse helper T cells. The ED50 for this effect is less or equal to 400 ng/ml with IL-1beta.

Target Details

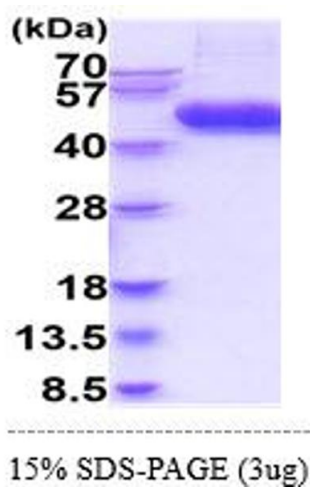
Target:	IL1R2
Alternative Name:	IL1R2 (IL1R2 Products)
Background:	IL1R2, also known as interleukin-1 receptor type 2 isoform 1, is a cytokine receptor that belongs to the interleukin-1 receptor family. This protein is expressed predominantly by, T cells, fibroblasts and endothelial cells. It binds interleukin-1 alpha (IL1A), interleukin-1beta (IL1B), and interleukin 1 receptor antagonist (IL1RN), preventing them from binding to their regular receptors and thereby inhibiting the transduction of their signaling. Also, Interleukin-4 (IL4) is reported to antagonize the activity of interleukin-1 by inducing the expression and release of this cytokine. Recombinant human IL1R2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	38.8kDa (338aa) 40-57kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_004624
UniProt:	P27930
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.