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Datasheet for ABIN1096885

IL1RAP Protein (AA 21-356) (His tag)

Overview

Quantity:	50 µg
Target:	IL1RAP
Protein Characteristics:	AA 21-356
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1RAP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL-1 Receptor Accessory Protein/IL-1RAcP/IL-1R3 (C-6His)
Sequence:	SERCDDWGLD TMRQIQVFED EPARIKCPLF EHFLKFNYST AHSAGLTLIW YWTRQDRDLE EPINFRLPEN RISKEKDVLW FRPTLLNDTG NYTCMLRNTT YCSKVAFPLE VVQKDSCFNS PMKLPVHKLY IEYGIQRITC PNVDGYFPSS VKPTITWYMG CYKIQNFNNV IPEGMNLSFL IALISNNGNY TCVVTYPENG RTFHLTRTLT VKVVGSPKNA VPPVIHSPND HVVYEKEPGE ELLIPCTVYF SFLMDSRNEV WWTIDGKKPD DITIDVTINE SISHSRTEDE TRTQILSIKK VTSEDLKRSY VCHARSAKGE VAKAAKVQKQ GNRCGQVDHH HHHH
Characteristics:	Recombinant Human Interleukin-1 Receptor Accessory Protein/IL-1RAcP produced by transfected human cells is a secreted protein with sequence (Ser21-Gln356) of Human IL1RAP fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: IL1RAP

Alternative Name: IL-1-r3 ([IL1RAP Products](#))

Sub Type: Fusionprotein

Background: Interleukin-1 Receptor Accessory Protein (IL-1RAcP) is a member of the interleukin-1 receptor family. It contains three Ig-like C2-type domains in the extracellular region and a long cytoplasmic domain implicated in signal transduction. IL-1RAcP acts as a non-ligand binding accessory component of the receptors for IL1alpha, IL1beta and IL33. IL-1RAcP mediates interleukin-1-dependent activation of NF-kappa-B. It is part of the membrane-bound form of the IL-1 receptor. IL-1 RAcP takes part in the Signaling ways by the formation of a ternary complex containing IL1R1, TOLLIP, MYD88, and IRAK1 or IRAK2. In addition, IL-1RAcP modulates the response to interleukins by associating with soluble IL1R1 and enhancing interleukin-binding to the decoy receptor.

Alternative Names: Interleukin-1 Receptor Accessory Protein, IL-1 Receptor Accessory Protein, IL-1RAcP, Interleukin-1 Receptor 3, IL-1R-3, IL-1R3, IL1RAP, C3orf13, IL1R3

Molecular Weight: 39.75 kDa

UniProt: [Q9NPH3](#)

Pathways: [NF-kappaB Signaling](#), [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH2O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months