

## Recombinant Human IL1RAP, His-tagged

Cat. No. IL1RAP-14176H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human IL1RAP protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 21-356a.a.

**Description** Interleukin 1 induces synthesis of acute phase and proinflammatory proteins during infection, tissue damage, or stress, by forming a complex at the cell membrane with an interleukin 1 receptor and an accessory protein. This gene encodes the interleukin 1 receptor accessory protein. The protein is a necessary part of the interleukin 1 receptor complex which initiates signalling events that result in the activation of interleukin 1-responsive genes. Alternative splicing of this gene results in two transcript variants encoding two different isoforms, one membrane-bound and one soluble. The ratio of soluble to membrane-bound forms increases during acute-phase induction or stress.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	IL1RAP interleukin 1 receptor accessory protein [ Homo sapiens ]
<b>Official Symbol</b>	IL1RAP
<b>Synonyms</b>	IL1RAP; interleukin 1 receptor accessory protein; interleukin-1 receptor accessory protein; C3orf13; IL 1RAcP; IL1R3; IL-1R3; interleukin-1 receptor 3; IL-1 receptor accessory protein; interleukin-1 receptor accessory protein beta; IL-1RAcP; FLJ37788;
<b>Gene ID</b>	3556
<b>mRNA Refseq</b>	NM_001167928
<b>Protein Refseq</b>	NP_001161400
<b>MIM</b>	602626
<b>UniProt ID</b>	Q9NPH3
<b>Chromosome Location</b>	3q28
<b>Pathway</b>	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL-1 Signaling Pathway, organism-specific biosystem; Immune System, organism-specific biosystem;
<b>Function</b>	interleukin-1 receptor activity; receptor activity; signal transducer activity;

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transmembrane signaling receptor activity;

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