

# Recombinant Human IL1RAP Protein, hFc-tagged, Alexa Fluor 555 conjugated

Cat. No. IL1RAP-627HAF555 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant human IL1RAP (Ser21-Glu359) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ser21-Glu359
<b>Description</b>	Interleukin-1 receptor accessory protein (IL1RAP or IL-1RAcP) is also known as Interleukin-1 receptor 3 (IL-1R-3 or IL-1R3), C3orf13, which belongs to the interleukin-1 receptor family. IL1RAP contains three Ig-like C2-type (immunoglobulin-like) domains and one TIR domain. IL1RAP is detected in liver, skin, placenta, thymus and lung. IL-1R3/IL1RAP is coreceptor with IL1R1, associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The protein has a calculated MW of 65.7 kDa. The protein migrates as 75-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>N-terminal Sequence</b>	Ser 21

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<b>Analysis</b>	
<b>Endotoxin</b>	< 1.0 EU/ µg by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.</p>
<b>Storage</b>	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

**Gene Name** IL1RAP

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<b>Official Symbol</b>	<a href="#">IL1RAP</a>
<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>	<a href="#">3556</a>
<b>mRNA Refseq</b>	<a href="#">NM_001167928</a>
<b>Protein Refseq</b>	<a href="#">NP_001161400</a>
<b>MIM</b>	<a href="#">602626</a>
<b>UniProt ID</b>	<a href="#">Q9NPH3</a>

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