

## Recombinant Human IL-1RAcP/IL1R3 Protein (His Tag)

Catalog No. PKSH033636

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

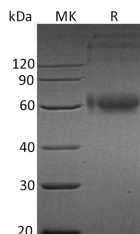
### Description

<b>Synonyms</b>	Interleukin-1 Receptor Accessory Protein;IL-1 Receptor Accessory Protein;IL-1RAcP;Interleukin-1 Receptor 3;IL-1R-3;IL-1R3;IL1RAP;C3orf13;IL1R3
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ser21-Gln356
<b>Accession</b>	Q9NPH3-2
<b>Calculated Molecular Weight</b>	39.8 kDa
<b>Observed molecular weight</b>	50-70 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

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 IL1 $\alpha$ ; IL1 $\beta$  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.