

Recombinant Human IL-1R3/IL-1RAcP/IL1RAP Protein RPCB0992



Product Information

| | | | | | |
|---------------------|----------|--------------------|-------|--------------|------|
| Product SKU: | RPCB0992 | Gene ID: | 3556 | Size: | 10µg |
| Tag: | C-hFc | Reactivity: | Human | | |

Additional Information

| | | | |
|-------------------------|--------------------|-------------------|----------|
| Expression Host: | HEK293 cells | Swissprot: | Q9NPH3-1 |
| Purity: | > 90% by SDS-PAGE. | | |

Protein Information

Background: Interleukin-1 receptor accessory protein (IL-1RAcP) also known as Interleukin-1 receptor member 3 (IL-1R3) is a cytokine receptor that binds interleukin 1. The IL-1 receptor accessory protein (IL1RAP) is a transmembrane protein that interacts with IL-1R and is required for IL-1 signal transduction. Interleukin 1 induces the synthesis of the 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. IL-1RAcP/IL-1R3 is a necessary part of the interleukin 1 receptor complex which initiates signaling 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. IL-1RAcP/IL-1R3 mediates interleukin-1-dependent activation of NF-kappa-B. Isoform 1 is part of the membrane-bound form of the IL-1 receptor. Signaling involves the formation of a ternary complex containing IL1R1, TOLLIP, MYD88, and IRAK1 or IRAK2. Isoform 2 modulates the response to interleukins by associating with soluble IL1R1 and enhancing interleukin-binding to the decoy receptor.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human IL-1R3/IL-1RAcP/IL1RAP Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | Web: www.assaygenie.com

Copyright © 2024 Assay Genie Ltd, All Rights Reserved. All information / detail is correct at time of going to print.

Endotoxin: <0.1EU/μg

Formulation: Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.