



# Recombinant Protein Technical Manual

## Recombinant Human ILRacP/IL1R3 Protein (His Tag)

RPES1849

### Product Data:

**Product SKU:** RPES1849

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9NPH3

### Protein Information:

**Molecular Mass:** 39.75 kDa

**AP Molecular Mass:** 67 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Interleukin Receptor Accessory Protein; IL Receptor Accessory Protein; ILRacP; Interleukin Receptor 3; ILR-3; ILR3; IL1RAP; C3orf13; IL1R3

## Immunogen Information:

**Sequence:** Ser21-Gln356

## Background:

Interleukin Receptor Accessory Protein (ILRACP) is a member of the interleukin receptor family. It contains three Ig-like C2-type domains in the extracellular region and a long cytoplasmic domain implicated in signal transduction. ILRACP acts as a non-ligand binding accessory component of the receptors for IL1 $\alpha$ , IL1 $\beta$  and IL33. ILRACP mediates interleukin-dependent activation of NF-kappa-B. It is part of the membrane-bound form of the IL receptor. IL RACP takes part in the Signaling ways by the formation of a ternary complex containing IL1R1, TOLLIP, MYD88, and IRAK1 or IRAK2. In addition, ILRACP modulates the response to interleukins by associating with soluble IL1R1 and enhancing interleukin-binding to the decoy receptor.