



# Recombinant Protein Technical Manual

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

RPES0989

### Product Data:

**Product SKU:** RPES0989

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9NPH3

### Protein Information:

**Molecular Mass:** 39.7 kDa

**AP Molecular Mass:** 82 kDa

**Tag:** C-Fc-6His

**Bio-activity:**

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

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

**Storage:** 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.

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

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .

**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.