

For Research Use Only

# Recombinant Human IL-1RAP protein (His Tag)



Catalog Number: Eg0827

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
His Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human IL-1RAP protein Ser21-Glu359 (Accession# Q9NPH3-1) with a His tag at the C-terminus.

**GeneID:**

3556

**Accession:**

Q9NPH3-1

**Predicted Molecular Mass:**

40.1 kDa

**SDS-PAGE:**

48-60 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

IL-1RAP (Interleukin-1 receptor accessory protein), also known as IL-1RAcP, IL-1R-3, or IL-1R3, is a member of the interleukin-1 receptor family. IL-1RAP is composed of an extracellular region containing three Ig-like C2 type domains, a transmembrane region, and a cytoplasmic region with a TIR (Toll-IL-1-receptor) domain. IL-1RAP functions as a co-receptor for IL-1, IL-33, IL-36. It plays an essential role in the signaling of the IL-1 family cytokines such as IL-1, IL-33, and IL-36, as well as tyrosine kinases FLT3 and c-Kit. IL-1RAP can also exist in a soluble form.

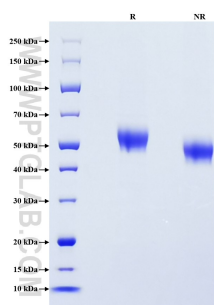
## References

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2. M Dale, et al. (1998). Genomics. 47(2):325-6.
3. Alissa A Chackerian, et al. (2007). J Immunol. 179(4):2551-5.
4. Ali Zarezadeh Mehrabadi, et al. (2022). Immunology. 166(1):38-46.
5. Jame Frenay, et al. (2022). Int J Mol Sci. 23(23):14918.

## Synonyms

IL1RAP, C3orf13, EC:3.2.2.6, IL 1R 3, IL 1R3

## Selected Validation Data



Purity of Recombinant Human IL-1RAP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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