

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/ μ g 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:
39.9 kDa

SDS-PAGE:
50-60 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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.

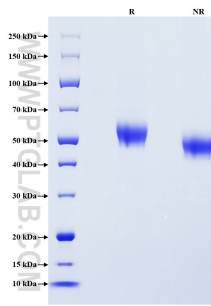
References

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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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