

For Research Use Only

Recombinant Human IL-1 Beta protein (His Tag)



Catalog Number: Eg0286

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-1 Beta protein Ala117-Ser269 (Accession# P01584) with a His tag at the N-terminus.

GeneID:
3553

Accession:
P01584

Predicted Molecular Mass:
18.2 kDa

SDS-PAGE:
19-20 kDa, reducing (R) conditions

Formulation:
Lyophilized from sterile 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

Interleukin 1 β (IL-1B) is a member of the interleukin 1 cytokine family. It is a pro-inflammatory cytokine against infection, playing an important role in the pathogenesis of cancers. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets.

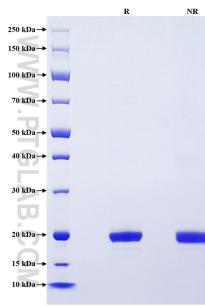
References

1. Takada YK. et al. (2017). J Biol Chem. 292: 20067-20075.
2. LaRock DL. et al. (2020). Infect Immun. 88: e00356-20.
3. Tian XX. et al. (2021). Int Endod J. 54: 916-925.
4. Jourdan T. et al. (2013). Nat Med. 19: 1132-1140.

Synonyms

IL-1 beta, Catabolin, IL 1, IL 1 beta, IL1 beta

Selected Validation Data



Purity of Recombinant Human IL-1 Beta 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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