

Recombinant Human IL-2 protein (His Tag)

Catalog Number: Eg0828

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-2 protein Ala21-Thr153 (Accession# P60568) with a His tag at the C-terminus.

GeneID:

3558

Accession:

P60568

Predicted Molecular Mass:

16.2 kDa

SDS-PAGE:

15-17 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

Interleukin-2 (IL-2) is a four-helix bundle, type I cytokine that functions as a growth factor for a wide range of leukocytes. In the immune system, IL-2 is essential for immune homeostasis, normal T regulatory cell function, and self-tolerance. It regulates immune cell homeostasis and has been used to treat a range of disorders including cancer and autoimmune disease. IL-2 signals through heterodimerization of the IL-2R β and IL-2R γ receptor subunits.

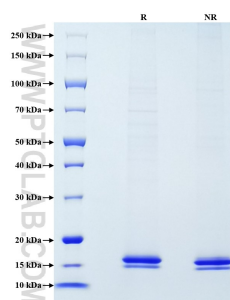
References

1. Spangler JB. et al. (2015). Immunity. 42: 815-25.
2. Rosenberg SA. et al. (2014). J Immunol. 192: 5451-8.
3. Nelson BH. et al. (2004). J Immunol. 172: 3983-8.
4. Turka LA. et al. (2008). Front Biosci. 13: 1440-6.

Synonyms

IL2, IL-2, IL 2, interleukin 2, Interleukin-2

Selected Validation Data



Purity of Recombinant Human IL2 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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