

For Research Use Only

# Recombinant Human CD25/IL-2RA protein (His Tag)



Catalog Number: Eg0408

## Basic Information

**Species:**  
Human

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

**Tag:**  
His Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human CD25 protein GLu22-Cys213 (Accession# P01589) with a His tag at the C-terminus.

**GeneID:**

3559

**Accession:**

P01589

**Predicted Molecular Mass:**

26.1 kDa

**SDS-PAGE:**

35-55 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ 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

CD25, also known as the  $\alpha$  chain of the IL-2 receptor (IL-2R  $\alpha$ ), is a key regulator of T cell function. It is expressed in activated T cells and has been implicated in regulating various immune and autoimmune responses. Its deficiency has been associated with autoimmune phenomena including autoimmune enteropathy and bullous pemphigoid. The soluble CD25 can be found in the serum and may have implications for human disease in both cancer and chronic infection.

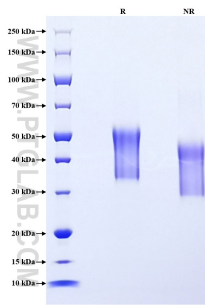
## References

1. Sadovnik I, et al. (2017). *Exp Hematol* 51:17-24.
2. Driesen J, et al. (2008). *Immunobiology* 213(9-10):849-858.
3. Goudy K, et al. (2013). *Clin Immunol* 146(3):248-261.

## Synonyms

CD25, IL 2 RA, IL 2 receptor subunit alpha, IL 2R subunit alpha, IL2 RA

## Selected Validation Data



Purity of Recombinant Human CD25 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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