

For Research Use Only

# Recombinant Human CD23 protein (His Tag)



Catalog Number: Eg1941

## 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 CD23 protein Asp48-Ser321 (Accession# P06734) with a His tag at the N-terminus.

**GeneID:**

2208

**Accession:**

P06734

**Predicted Molecular Mass:**

32.1 kDa

**SDS-PAGE:**

35-40 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

CD23, also known as low affinity immunoglobulin epsilon Fc receptor, is a transmembrane glycoprotein present on a subpopulation of B lymphocytes in germinal centres, EBV-transformed B-lymphoblastoid cell lines, follicular dendritic cells, and a subpopulation of peripheral blood cells. CD23 has essential roles in the regulation of IgE production and in the differentiation of B-cells. CD23 can be cleaved into soluble fragment (soluble CD23, sCD23) of various sizes displaying pleiotropic biological activities. Increased plasma levels of sCD23 have been reported in allergic disorders, acute viral diseases, lepromatous leprosy, B-CLL, and inflammatory diseases like RA, SLE and sarcoidosis.

## References

1. Delespesse G. et al. (1991). Adv Immunol. 49:149-91.
2. Sarfati M. et al. (1996). Blood. 88(11):4259-64.
3. Schönemarck U. et al. (2000). Clin Exp Rheumatol. 18(4):457-63.

## Synonyms

BLAST 2, BLAST-2, CD23A, CLEC4J, C-type lectin domain family 4 member J

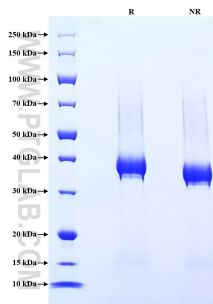
For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Human CD23 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.