

For Research Use Only

# Recombinant Human CD44 protein (His Tag)



Catalog Number: Eg1057

## Basic Information

**ED50:**  
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**GeneID:**  
960

**Species:**  
Human

**Accession:**  
P16070-1

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

## Technical Specifications

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

**Endotoxin Level:**  
<1.0 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human CD44 protein Gln21-Glu649 (Accession# P16070-1) with a His tag at the C-terminus.

**Predicted Molecular Mass:**  
69.9 kDa

**SDS-PAGE:**  
kDa, reducing (R) condition

**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

CD44 is a type I transmembrane glycoprotein that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands. Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis.

## References

- 1.Gomari MM.et al.(2021) Mutat Res Rev Mutat Res.787:108374.
- 2.Ponta H.et al.(1998) Int J Biochem Cell Biol.30(3):299-305.
- 3.Liu S.et al.(2023) Sci Rep.13(1):9657.
- 4.Gupta RC.et al.(2019) Front Vet Sci.6:192.
- 5.Chen S.et al.(2022) J Extracell Vesicles.11(3):e12203.

## Synonyms

CD44,CD44 antigen,CDW44,CSPG8,ECMR III

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## Selected Validation Data

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

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