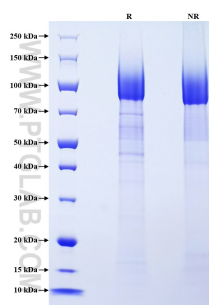


Recombinant Human CD44 protein (His Tag)

Catalog Number: Eg1057

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CD44 protein Gln21-Glu649 (Accession# P16070-1) with a His tag at the C-terminus.</p> <p>GeneID: 960</p> <p>Accession: P16070-1</p> <p>Predicted Molecular Mass: 70.2 kDa</p> <p>SDS-PAGE: 85-125 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
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	<ol style="list-style-type: none">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		

Selected Validation Data



Purity of Recombinant Human CD44 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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