

# Recombinant Human CD44 Protein (Fc Tag)

Catalog Number:PKSH032219



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

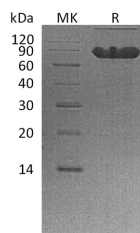
## Description

<b>Synonyms</b>	CDW44;CSPG8;ECMR-III;HCELL;HUTCH-I;IN;LHR;MC56;MDU2;MDU3;MIC4;Pgp1;Epican;Extracellular Matrix Receptor III;ECMR-III;GP90 Lymphocyte Homing/Adhesion Receptor;HUTCH-I;Heparan Sulfate Proteoglycan;Hermes Antigen;Hyaluronate Receptor;Phagocytic Glycoprotein 1;PGP-1;Phagocytic Glycoprotein I;PGP-I;CD44
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln21-Pro220
<b>Accession</b>	P16070
<b>Calculated Molecular Weight</b>	49.2 kDa
<b>Observed molecular weight</b>	75-95 kDa
<b>Tag</b>	C-Fc

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

CD44 is a cell-surface receptor for hyaluronic acid and also interacts with other ligands; such as osteopontin; collagens; and matrix metalloproteinases. A large number of CD44 isoforms can be generated by the insertion of different combinations of at least nine exons. Increased CD44 antigen is associated with relapses in non-small cell lung cancers. Furthermore; an increasing quantity of evidence suggests that CD44 has various functions related to inflammatory disease.

## For Research Use Only

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CD44 deficiency induces severe liver injury. CD44-hyaluronate mediates in lymphocyte T and monocyte adhesion to the endothelium; stimulates proinflammatory cytokine release from macrophages and participates in dedifferentiation phenotype of smooth muscle cells from contractile state to synthetic one.

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