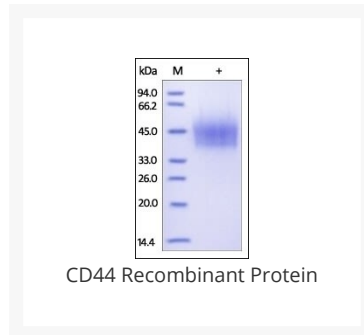




# CD44 Recombinant Protein

Cat. No.: 96-107




## Ψ Specifications

<b>SPECIES:</b>	Human
<b>SOURCE SPECIES:</b>	HEK293 cells
<b>SEQUENCE:</b>	Gln 21 - Pro 220
<b>FUSION TAG:</b>	His Tag
<b>TESTED APPLICATIONS:</b>	WB
<b>APPLICATIONS:</b>	This recombinant protein can be used for WB. For research use only.
<b>PREDICTED MOLECULAR WEIGHT:</b>	22.9 kDa

## Ψ Properties

<b>PURITY:</b>	>95% as determined by SDS-PAGE.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	PBS, pH7.4
<b>STORAGE CONDITIONS:</b>	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

<b>OFFICIAL SYMBOL:</b>	CD44
<b>ALTERNATE NAMES:</b>	CD44, CDW44, CSPG8, ECMR-III, HCELL, HUTCH-I, IN, LHR, MC56, MDU2, MDU3, MIC4, Pgp1, Epican
<b>ACCESSION NO.:</b>	AAH04372
<b>GENE ID:</b>	960

 Background and References

---

<b>BACKGROUND:</b>	CD44 antigen is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. CD44 is expressed in a large number of mammalian cell types. CD44 is a receptor for hyaluronic acid and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). CD44 function is controlled by its posttranslational modifications. One critical modification involves discrete sialofucosylations rendering the selectin-binding glycoform of CD44 called HCELL (for Hematopoietic Cell E-selectin/L-selectin Ligand). CD44 participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms.
<b>REFERENCES:</b>	1) Goodison S., et al., 1999, MP, Mol. Pathol. 52 (4): 189-96.
	2) Hanley WD., et al., 2005, Cancer Res. 65 (13): 5812-7.
	3) Burdick MM., et al., 2006, J. Biol. Chem. 281 (20): 13899-905.
	4) Thomas SN., et al., 2008, J Biol Chem 283 (23): 15647-55.

**ANTIBODIES FOR RESEARCH USE ONLY.**

For additional information, visit ProSci's [Terms & Conditions Page](#).