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Datasheet for ABIN7519787  
**CD44 Protein (CD44) (Fc Tag,His tag)**

### Overview

Quantity:	100 µg
Target:	CD44
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD44 protein is labelled with Fc Tag,His tag.

### Product Details

Purpose:	Active Recombinant Human CD44 Protein
Sequence:	QIDLNITCRF AGVFHVEKNG RYSISRTEAA DLCKAFNSTL PTMAQMEKAL SIGFETCRYG FIEGHVVIPR IHPNSICAAN NTGVYILTSN TSQYDTYCFN ASAPPEEDCT SVTDLPNAFD GPITITIVNR DGTRYVQKGE YRTNPEDIYP SNPTDDDVS GSSERSSTS GGYIFYTFST VHPIPDEDSP WITDSTDRIP
Specificity:	Gln21-Pro220
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Hyaluronic Acid at 100 µg/mL (100 µL/well) can bind Human CD44 with a linear range of 20-330 ng/mL.

## Target Details

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Target:	CD44
Alternative Name:	CD44 ( <a href="#">CD44 Products</a> )
Background:	<p>Description: This protein is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein 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, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.</p> <p>Name: CD44, CDW44, CSPG8, ECMR-III, HCELL, HUTCH-I, IN, LHR, MC56, MDU2, MDU3, MIC4, Pgp1, CD44 antigen,CDW44,CSPG8,ECMR-III,HCELL,HUTCH-I,IN,LHR,MC56,MDU2,MDU3,MIC4,Pgp1,CD44</p>
Gene ID:	960
UniProt:	<a href="#">P16070-1</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.