

## Active Recombinant Rat Cd44 Protein, Fc Chimera

**Cat. No.** Cd44-1017R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Cd44 (Accession # O70509), fused with , was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Rat
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	22-271 aa
<b>Predicted N Terminal</b>	Result not obtained, Gln22 is predicted
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. When Recombinant Rat CD44 Fc Chimera is present at 1 µg/mL, the concentration of biotinylated hyaluronan that produces 50% of the optimal binding response is found to be approximately 10 - 50 ng/mL.
<b>Molecular Mass</b>	Recombinant Rat Cd44, Fc Chimera has a calculated MW of 54.2 kDa (monomer). In SDS-PAGE migrates as 80-100 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

**Reconstitution** Reconstitute at 500 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** Cd44 Cd44 molecule [ *Rattus norvegicus* ]

**Official Symbol** Cd44

**Synonyms** CD44; Cd44 molecule; CD44 antigen; PGP-1; PGP-I; HUTCH-I; ECMR-III; hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; phagocytic glycoprotein I; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; Cell surface glycoprotein CD44 (hyaluronate binding protein); CD44A; METAA; RHAMM; MGC124941;

**Gene ID** 25406

**mRNA Refseq** NM\_012924

**Protein Refseq** NP\_037056

**MIM**

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