
Product Data Sheet

Product Name: CD44 Human

Cat. No.: GP23024

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms CD44 Molecule (Indian Blood Group); Hematopoietic Cell E- And L- Selectin Ligand; GP90 Lymphocyte Homing/Adhesion Receptor; Chondroitin Sulfate Proteoglycan 8; Extracellular Matrix Receptor III; Heparan Sulfate Proteoglycan; Phagocytic Glycoprotein 1; Hyaluronate Receptor; Hermes Antigen; ECMR-III; HUTCH-I; Epican; CDW44; MDU2; MDU3; MIC4; LHR; CD44 Antigen (Homing Function And Indian Blood Group System); Homing Function And Indian Blood Group System; Cell Surface Glycoprotein CD44; Phagocytic Glycoprotein I; Soluble CD44; CSPG8; HCELL; PGP-1; PGP-I; MC56; Pgp1; IN; CD44 .

Amino Acid Sequence
 QIDLNITCRF AGVFHVEKNG RYSISRTEAA DLCKAFNSTL PTMAQMEKAL
 SIGFETCRYG FIEGHVVIPR IHPNSICAA N TG VYILTSN TSQYDTYCFN
 ASAPPEEDCT SVTDLPNAFD GPITITIVNR DGTRYVQKGE YRTNPEDIYP
 SNPTDDDVSS GSSERSSTS GGYIFYTFST VHPIPEDDSP WITDSTDRIP
 LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV
 DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL
 NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS
 LTCLVKGFYPSDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK
 SRWQQGNVFS CSVMHEALHN HYTQKSLSL S PGKHHHHHHH

Formulation CD44 protein solution (0.25mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).

Introduction

CD44 is a cell-surface glycoprotein that plays a role in cell-cell interactions, cell adhesion and migration. CD44 is a receptor for hyaluronic acid and also interacts with other ligands, such as osteopontin, collagens, and matrix metalloproteinases. CD44

Caution: Product has not been fully validated for medical applications. For research use only.

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participates in a wide variety of cellular functions such as lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD44 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (21-220 a.a.) and fused to a 239 aa hlgG-His-tag at C-terminus containing a total of 439 amino acids and having a molecular mass of 49kDa. CD44 shows multiple bands between 57-70kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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