



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### CD44 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000960-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CD44 full-length ORF (AAH04372, 1 a.a. - 699 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVE  
KNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFE  
TCRYGFIEGHVVIPRIHPNSICAAANTGVYILTSNTSQY  
DTYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGT  
RYVQKGEYRTNPEDIYPSNPTDDVVSSGSSERSSTS  
GGYIFYTFSTVHPIPEDSPWITDSTDRIPATSTSSNTIS  
AGWEPNEENERDRHLSFSGSGIDDEDFISSTISTT  
PRAFDHTKQNQDWTQWNPESHNSPEVLLQTTTRMTDV  
DRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTST  
IQATPSSTTEETATQKEQWFGNRWHEGYRQTPREDS  
HSTTGTAASAHTSHPMQGRTPSPEDSSWTDFFNPI  
SHPMGRGHQAGRRMDMDSSHSTTLQPTANPNTGLV  
EDLDRTGPLSMTTQQSNSQSFSSTSHGLEEDKDHPPT  
STLTSSNRNDVTGGRRDPNHSEGSTLLLEGYTSYHPH  
TKESRTFIPVTSKTSFGVAVTVGDSNSNVNRSLSG  
DQDTFHPSGGSHHTHGSESDGSHSGSQEGGANTTS  
GPIRTPQIPEWLILASLLALALILAVCIAVNSRRRCGQK  
KKLVINSNGNGAVEDRKPSGLNGEASKSQEMVHLVNKE  
SSETPDQFMTAETRNLQNVDKIGV

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 102.63

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 960

**Gene Symbol:** CD44

**Gene Alias:** CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1

**Gene Summary:** The protein encoded by this gene 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. [provided by RefSeq]

**References:**

1. In Vitro Selection of Modified RNA Aptamers Against CD44 Cancer Stem Cell Marker. Ababneh N, Alshaer W, Allozi O, Mahafzah A, El-Khateeb M, Hillaireau H, Noiray M, Fattal E, Ismail S Nucleic Acid Ther. 2013 Oct 30.
2. MTI-101 (Cyclized HYD1) Binds a CD44 Containing Complex and Induces Necrotic Cell Death in Multiple Myeloma. Gebhard AW, Jain P, Nair RR, Emmons MF, Argilagos RF, Koomen JM, McLaughlin ML, Hazlehurst LA Mol Cancer Ther. 2013 Nov;12(11):2446-58. doi: 10.1158/1535-7163.MCT-13-0310. Epub 2013 Sep 18.