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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
TCRYGFIEGHVVIPRIHPNSICAAANNTGVYILTSNTSQY
DTYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGT
RYVQKGEYRTNPEDIYPSNPTDDDVS SSSERSSTS
GGYIFYTFSTVHPIPEDDSPWITDSTDRIPATSTSSNTIS
AGWEPNEENEDERDRHLSFSGSGIDDEDFISSTISTT
PRAFDHTKQNQDWTQWNP SHSNPEVLLQTTTRMTDV
DRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTST
IQATPSSTTEETATQKEQWFGNRWHEGYRQTPREDS
HSTTGTAASAHTSHPMQGRTPSPEDSSWTDFFNPI
SHPMGRGHQAGRMDMDSSHSTTLQPTANPNTGLV
EDLDRTGPLSMTTQQSNSQSFSSTSHEGLEEDKDHPTT
STLTSSNRNDVTGRRDPNHSEGSTLLLEGYTSHPH
TKESRTFIPVTS AKTGSFGVAVTVGDSNSNVNRSLSG
DQDTFHPSGGSHHTHGSESDGSHSGSQEGGANTTS
GPIRTPQIPEWLILASLLALALILAVCIAVNSRRRCGQK
KKLVINSNGAVEDRKP SGLNGEASKSQEMVHLV NKE
SSETPDQFMTAETRNLQNVD MKIGV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 102.63

Interspecies Antigen Sequence: Mouse (55)

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.