

Macrophage mannose receptor 1 (MRC1) Recombinant Protein | MRC1 recombinant protein

Recombinant Human Macrophage mannose receptor 1 (MRC1), partial

CATALOG # AAA18500	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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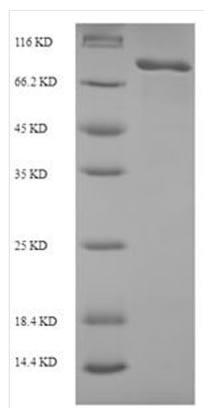
PRODUCT SYNONYMS

Macrophage mannose receptor 1 (MRC1); Recombinant Human Macrophage mannose receptor 1 (MRC1); partial; C-type lectin domain family 13 member D; C-type lectin domain family 13 member D-like; Macrophage mannose receptor 1-like protein 1; CD206; MRC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	655-1213aa, Partial
Sequence	RTSLCFKLYA KKGHEKKTWF ESRDFCRALG GDLASINNKE EQQTIWRLIT ASGSYHKLFW LGLTYGSPSE GFTWSDGSPV SYENWAYGEP NNYQNVEYCG ELKGDPTMSW NDINCEHLNN WICQIQKGQT PKPEPTPAPQ DNPPVTEDGW VIYKDYQYYF SKEKETMDNA RAFCKRNFGD LVSIQSESEK KFLWKYVNRN DAQSAYFIGL LISLDKKFAW MDGSKVDYVS WATGEPNFAN EDENCVTMYS NSGFWDINC GYPNAFICQR HNSSINATTV MPTMPSVPSG CKEGWNFYSN KCFKIFGME EERKNWQEAR KACIGFGGNL VSIQNEKEQA FLTYHMKDST FSAWTGLNDV NSEHTFLWTD GRGVHYTNWG KGYPGRRSS LSYEDADCVV IIGGASNEAG KWMDTDCDSK RGYICQTRSD PSLTNPPATI QTDGFVKYGK SSYSLMRQKF QWHEAETYCK LHNSLIASIL DPYSNAFAWL QMETSNERVW IALNSNLTDN QYTWTDKWRV RYTNWAADEP KLKSACVYLD LDGYWKTAK NESFYFLCK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MRC1 recombinant protein	Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains. Acts as phagocytic receptor for bacteria, fungi and other pathogens.
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Product Categories/Family for MRC1 recombinant protein	Immunology
References	Primary structure of the mannose receptor contains multiple motifs resembling carbohydrate-recognition domains.Taylor M.E., Conary J.T., Lennartz M.R., Stahl P.D., Drickamer K.J. Biol. Chem. 265:12156-12162(1990) Molecular characterization of the human macrophage mannose receptor demonstration of multiple carbohydrate recognition-like domains and phagocytosis of yeasts in Cos-1 cells.Ezekowitz R.A., Sastry K., Bailly P., Warner A.J. Exp. Med. 172:1785-1794(1990) Organization of the gene encoding the human macrophage mannose receptor (MRC1) .Kim S.J., Ruiz N., Bezouska K., Drickamer K.Genomics 14:721-727(1992) NHLBI resequencing and genotyping service (RS&G) The DNA sequence and comparative analysis of human chromosome 10.Deloukas P., Earthrowl M.E., Grafham D.V., Rubenfield M., French L., Steward C.A., Sims S.K., Jones M.C., Searle S., Scott C., Howe K., Hunt S.E., Andrews T.D., Gilbert J.G.R., Swarbreck D., Ashurst J.L., Taylor A., Battles J., Bird C.P., Ainscough R., Almeida J.P., Ashwell R.I.S., Ambrose K.D., Babbage A.K., Bagguley C.L., Bailey J., Banerjee R., Bates K., Beasley H., Bray-Allen S., Brown A.J., Brown J.Y., Burford D.C., Burrill W., Burton J., Cahill P., Camire D., Carter N.P., Chapman J.C., Clark S.Y., Clarke G., Clee C.M., Clegg S., Corby N., Coulson A., Dhami P., Dutta I., Dunn M., Faulkner L., Frankish A., Frankland J.A., Garner P., Garnett J., Gribble S., Griffiths C., Grocock R., Gustafson E., Hammond S., Harley J.L., Hart E., Heath P.D., Ho T.P., Hopkins B., Horne J., Howden P.J., Huckle E., Hynds C., Johnson C., Johnson D., Kana A., Kay M., Kimberley A.M., Kershaw J.K., Kokkinaki M., Laird G.K., Lawlor S., Lee H.M., Leongamornlert D.A., Laird G., Lloyd C., Lloyd D.M., Loveland J., Lovell J., McLaren S., McLay K.E., McMurray A., Mashreghi-Mohammadi M., Matthews L., Milne S., Nickerson T., Nguyen M., Overton-Larty E., Palmer S.A., Pearce A.V., Peck A.I., Pelan S., Phillimore B., Porter K., Rice C.M., Rogosin A., Ross M.T., Sarafidou T., Sehra H.K., Shownkeen R., Skuce C.D., Smith M., Standring L., Sycamore N., Tester J., Thorpe A., Torcasso W., Tracey A., Tromans A., Tsolas J., Wall M., Walsh J., Wang H., Weinstock K., West A.P., Willey D.L., Whitehead S.L., Wilming L., Wray P.W., Young L., Chen Y., Lovering R.C., Moschonas N.K., Siebert R., Fechtel K., Bentley D., Durbin R.M., Hubbard T., Doucette-Stamm L., Beck S., Smith D.R., Rogers J.Nature 429:375-381(2004) Contribution to ligand binding by multiple carbohydrate-recognition domains in the macrophage mannose receptor.Taylor M.E., Bezouska K., Drickamer K.J. Biol. Chem. 267:1719-1726(1992) Identification of N-linked glycoproteins in human milk by hydrophilic interaction liquid chromatography and mass spectrometry.Picariello G., Ferranti P., Mamone G., Roepstorff P., Addeo F.Proteomics 8:3833-3847(2008) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Structure of a C-type carbohydrate recognition domain from the macrophage mannose receptor.Feinberg H., Park-Snyder S., Kolatkar A.R., Heise C.T., Taylor M.E., Weis W.I.J. Biol. Chem. 275:21539-21548(2000) Genetic and functional analysis of common MRC1 exon 7 polymorphisms in leprosy susceptibility.Alter A., de Leseleuc L., Van Thuc N., Thai V.H., Huong N.T., Ba N.N., Cardoso C.C., Grant A.V., Abel L., Moraes M.O., Alcais A., Schurr E.Hum. Genet. 127:337-348(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505245
NCBI GeneID	4360
NCBI Accession #	NP_002429.1
NCBI GenBank Nucleotide #	NM_002438.3
UniProt Accession #	P22897; Q5VSJ2; Q5VSK2; A5PKW3
Molecular Weight	66.4 kDa
NCBI Official Full Name	macrophage mannose receptor 1
NCBI Official Synonym Full Names	mannose receptor, C type 1
NCBI Official Symbol	MRC1
NCBI Official Synonym Symbols	MMR; hMR; CD206; MRC1L1; CLEC13D; CLEC13DL; bA541I19.1
NCBI Protein Information	macrophage mannose receptor 1
UniProt Protein Name	Macrophage mannose receptor 1
UniProt Gene Name	MRC1
UniProt Synonym Gene Names	CLEC13D; CLEC13DL; MRC1L1; MMR; hMR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mrc1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/18500>