

Macrosialin Recombinant Protein | Cd68 recombinant protein

Recombinant Mouse Macrosialin

CATALOG # AAA113756	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

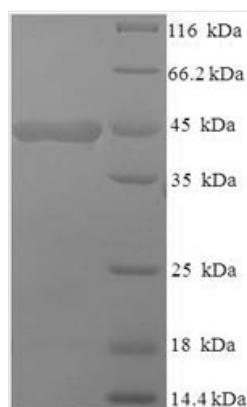
PRODUCT SYNONYMS

Macrosialin; Recombinant Mouse Macrosialin; CD68; Cd68 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	21-291. Partial, provide the complete extracellular domain.
Sequence	DCPHKKAVTL LPSFTMTPTA TESTASPTTS HRPTTTS HGN VVHTSSGPT TVTHNPATTT SHGNATISHA TVSPTTNGTA TSPRSSTVGP HPGPPPPSPS PRSKGALGNY TWANGSQPCV QLQAQIQIRI LYPIQGGRKA WGISVLNPNK TKVQGGCDGT HPHLSLSPY GQLTFGFKQD LHQSPSTVYL DYMAVEYNVS FPQAAQWTFM AQNSSLRELQ APLGQSFCCG NASIVLSPAV HLDLLSLRLQ AAQLPDKGHF GPCFSCNRDQ S
Sequence Length	291
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 Cd68 recombinant protein	Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells.
---	---

References	Macrosialin, a mouse macrophage-restricted glycoprotein, is a member of the lamp/lgp family.Holness C.L., da Silva R.P., Fawcett J., Gordon S., Simmons D.L.J. Biol. Chem. 268:9661-9666(1993) Structure, organization, and chromosomal mapping of the gene encoding macrosialin, a macrophage-restricted protein.Jiang Z., Shih D.M., Xia Y.R., Lusi A.J., de Beer F.C., de Villiers W.J.S., van der Westhuyzen D.R., de Beer M.C.Genomics 50:199-205(1998) Functional comparison of the murine macrosialin and human CD68 promoters in macrophage and nonmacrophage cell lines.Greaves D.R., Quinn C.M., Seldin M.F., Gordon S.Genomics 54:165-168(1998) The macrosialin promoter directs high levels of transcriptional activity in macrophages dependent on combinatorial interactions between PU.1 and c-Jun.Li A.C., Guidez F.R.B., Collier J.G., Glass C.K.J. Biol. Chem. 273:5389-5399(1998) Five different genes, Eif4a1, Cd68, Supl15h, Sox15 and Frx2h, are clustered in a 40 kb region of mouse chromosome 11.Miyashita A., Shimizu N., Endo N., Hanyuu T., Ishii N., Ito K., Itoh Y., Shirai M., Nakajima T., Odani S., Kuwano R.Gene 237:53-60(1999) Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S., Teague B., Potamouis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009) Influence of caloric restriction on motor behavior, longevity, and brain lipid composition in Sandhoff disease mice.Denny C.A., Kasperzyk J.L., Gorham K.N., Bronson R.T., Seyfried T.N.J. Neurosci. Res. 83:1028-1038(2006)
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	597508192
NCBI GeneID	12514
NCBI Accession #	NP_001277987.1
NCBI GenBank Nucleotide #	NM_001291058.1
UniProt Accession #	P31996; O54688; O70321; Q3S4A9; Q5F2A8; Q9DD15
Molecular Weight	30.8 kDa
NCBI Official Full Name	macrosialin
NCBI Official Synonym Full Names	CD68 antigen
NCBI Official Symbol	Cd68
NCBI Official Synonym Symbols	Lamp4; gp110; Scard1
NCBI Protein Information	macrosialin
UniProt Protein Name	Macrosialin
UniProt Gene Name	Cd68
UniProt Entry Name	CD68_MOUSE

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.