

Complement C1q subcomponent subunit A (C1qa) Recombinant Protein | C1qa recombinant protein

Recombinant Mouse Complement C1q subcomponent subunit A (C1qa)

CATALOG # AAA18516	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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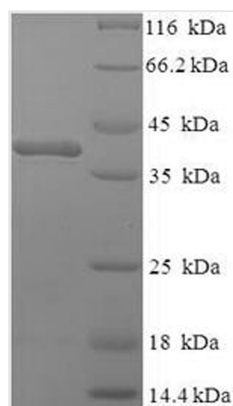
PRODUCT SYNONYMS

Complement C1q subcomponent subunit A (C1qa); Recombinant Mouse Complement C1q subcomponent subunit A (C1qa); C1qa 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	23-245aa; Full Length of Mature Protein
Sequence	EDVCRAPNGK DGAPGNPGRP GRPGLKGERG EPGAAGIRTG IRGFKGDPGE SGPPGKPGNV GLPGPSGPLG DSGPQGLKGV KGNPGNIRDQ PRPAFSAIRQ NPMTLGNVVI FDKVLTNQES PYQNHTGRFI CAVPGFYFYN FQVISKWDLC LFIKSSSGGQ PRDSLFSNT NKGFLFQVLA GGTVLQLRRG DEVWIEKDPA KGRIYQGTEA DSIFSGFLIF PSA
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 C1qa recombinant protein	C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca ²⁺ -dependent C1r2C1s2 proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.
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References	Gene expression of the A- and B-chain of mouse C1q in different tissues and the characterization of the recombinant A-chain.Petry F., Reid K.B.M., Loos M.J. Immunol. 147:3988-3993(1991) The mouse C1q genes are clustered on chromosome 4 and show conservation of gene organization.Petry F., McClive P.J., Botto M., Morley B.J., Morahan G., Loos M.Immunogenetics 43:370-376(1996) 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., Potamousis 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) Mural R.J., Adams M.D., Myers E.W., Smith H.O., Venter J.C. Proteome-wide characterization of N-glycosylation events by diagonal chromatography.Ghesquiere B., Van Damme J., Martens L., Vandekerckhove J., Gevaert K.J. Proteome Res. 5:2438-2447(2006)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124286805
NCBI GeneID	12259
NCBI Accession #	NP_031598.2
NCBI GenBank Nucleotide #	NM_007572.2
UniProt Accession #	P98086; Q9DCM6
Molecular Weight	25.6 kDa
NCBI Official Full Name	complement C1q subcomponent subunit A
NCBI Official Synonym Full Names	complement component 1, q subcomponent, alpha polypeptide
NCBI Official Symbol	C1qa
NCBI Official Synonym Symbols	C1q; AI255395
NCBI Protein Information	complement C1q subcomponent subunit A
UniProt Protein Name	Complement C1q subcomponent subunit A
UniProt Gene Name	C1qa
UniProt Entry Name	C1QA_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.