Complement C1q Subcomponent Subunit A (C1QA) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Complement C1q subcomponent subunit A (C1QA), Recombinant Protein
Full Product Name	Recombinant Bovine Complement C1q subcomponent subunit A (C1QA)
Product Gene Name	C1QA recombinant protein
Product Synonym Gene Name	C1QA
Sequence	EDVCRAPDGT HGSAGIPGRP GRPGLKGERG EPGAPAIQTG IRGLKGDQGD PGPPGNPGRM GYPGPSGPMG PAGLPGLKGT KGSPGNIKDQ PRPAFSAVGP NSVSRDNVVV FGKVITNQEN VYQNNTGRFR CSVPGYYYFT FQVVSNWDIC LSIRSSRRDQ IQPLGFCDFN SKGFFQVVSG GTVLHLQQGD QVWIEKDPSK GRIYHGSEAD SIFSGFLIFP SA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	25,802 Da
Sequence Positions	23-244, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5E9E3
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for C1QA recombinant protein	This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the A-chain polypeptide of human complement subcomponent C1q.
Other Notes	Small volumes of C1QA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for C1QA purchase	MBS1380252 is a recombinant protein targeting C1QA. Also known as Recombinant Bovine Complement C1q subcomponent subunit A (C1QA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1QA. It may not necessarily be applicable to this product.

NCBI GI #	62460582

NCBI GeneID	534961
NCBI Accession #	NP_001014945.1
UniProt Primary Accession #	Q5E9E3
UniProt Secondary Accession #	Q56JV0
UniProt Related Accession #	Q5E9E3
GenBank Nucleotide #	NM_001014945.2
NCBI Official Full Name	complement C1q subcomponent subunit A
NCBI Official Synonym Full Names	complement C1q A chain
NCBI Official Symbol	C1QA
UniProt Protein Name	Complement C1q subcomponent subunit A
Protein Family	Complement C1q subcomponent
UniProt Gene Name	C1QA
NCBI Protein Information	complement C1q subcomponent subunit A
UniProt Comments for C1QA	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 Ca2+-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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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