

Complement C4-A (C4A) Recombinant Protein | C4A recombinant protein

Recombinant Human Complement C4-A (C4A)

CATALOG # AAA113890	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Complement C4-A (C4A); Recombinant Human Complement C4-A (C4A); C4A 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	20-675aa; Partial
Sequence	KPRLLLFSPS VVHLGVPLSV GVQLQDVPRG QVVKGSVFLR NPSRNNVPCS PKVDFTLSSE RDFALLSLQV PLKDAKSCGL HQLLRGPEVQ LVAHSPWLKD SLSRTTNIQG INLLFSSRRG HFLQTDQPI YNPGQVRVYR VFALDQKMRP STDITVMVE NSHGLRVKK EVYMPSSIFQ DDFVIPDISE PGTWKISARF SDGLESNSST QFEVKKYVLP NFEVKITPGK PYILTVPGHL DEMQLDIQAR YIYGKPVQGV AYVRFGLLDE DGKKTFFRGL ESQTKLVNGQ SHISLSKAEF QDALEKLNMG ITDLQGLRLY VAAAIIESPG GEMEEAELTS WYFVSSPFSL DLSKTKRHLV PGAPFLLQAL VREMSGSPAS GIPVKVSATV SSPGSVPEVQ DIQNTDGSQ QVSIPIIPQ TISELQLSVS AGSPHPAIAR LTVAPPSSG PGFLSIERP SRPPRVGDTL NLNLRAVGSG ATFSHYYYMI LSRGQIVFMN REPKRTLTSV SVFVDHHLAP SFYFVAFYYH GDHPVANSR VDVQAGACEG KLELSVDGAK QYRNGESVKL HLETDSLALV ALGALDTALY AAGSKSHKPL NMGKVFEAMN SYDLGCGPGG GDSALQVFQA AGLAFSDGDQ WTLRKRSLSC PKEKTT
Species	Human
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.

ADDITIONAL INFORMATION

Related Product Information for C4A recombinant protein	This gene encodes the acidic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus and type I diabetes mellitus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	178557739
NCBI GeneID	721
NCBI Accession #	NP_001002029.3
NCBI GenBank Nucleotide #	NM_001002029.3
UniProt Accession #	P0C0L4; P01028; P78445; Q13160; Q13906; A6H8M8; A6NHJ5; A7E2V2; B0QZR6; B0V2C8; B2RUT6; B7ZVZ6; P0C0L5

Molecular Weight	187,704 Da
NCBI Official Full Name	complement C4-B preproprotein
NCBI Official Synonym Full Names	complement C4B (Chido blood group)
NCBI Official Symbol	C4B
NCBI Official Synonym Symbols	CH; C4F; CO4; C4B1; C4B2; C4B3; C4B5; C4BD; C4B12; C4B_2; CPAMD3
NCBI Protein Information	complement C4-B
UniProt Protein Name	Complement C4-A
UniProt Gene Name	C4A
UniProt Synonym Gene Names	CO4; CPAMD2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/c4a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113890>