Complement C4-B (C4b) Recombinant Protein | C4b recombinant protein

Recombinant Mouse Complement C4-B (C4b)

CATALOG #	HOST
AAA113445	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Complement C4-B (C4b); Recombinant Mouse Complement C4-B (C4b); C4b 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	1448-1738aa; Partial, Complement C4 gamma chain
Sequence	EAPKVVEEQE SRVQYTVCIW RNGKLGLSGM AIADITLLSG FHALRADLEK LTSLSDRYVS HFETDGPHVL LYFDSVPTTR ECVGFGASQE VVVGLVQPSS AVLYDYYSPD HKCSVFYAAP TKSQLLATLC SGDVCQCAEG KCPRLLRSLE RRVEDKDGYR MRFACYYPRV EYGFTVKVLR EDGRAAFRLF ESKITQVLHF RKDTMASIGQ TRNFLSRASC RLRLEPNKEY LIMGMDGETS DNKGDPQYLL DSNTWIEEMP SEQMCKSTRH RAACFQLKDF LMEFSSRGCQ V
Species	Mouse
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 C4b recombinant protein	This gene encodes the basic 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. 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. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157951698
NCBI GeneID	12268
NCBI Accession #	NP_033910.2
NCBI GenBank Nucleotide #	NM_009780.2
UniProt Accession #	P01029; O70346; Q31201; Q3TYY1; Q3TZC9; Q61372; Q61859; Q62353; Q6NWV8; E9QKK7
Molecular Weight	192,915 Da
NCBI Official Full Name	complement C4-B
NCBI Official Synonym Full Names	complement component 4B (Chido blood group)

NCBI Official Symbol	C4b
NCBI Official Synonym Symbols	C4; Ss
NCBI Protein Information	complement C4-B
UniProt Protein Name	Complement C4-B
UniProt Gene Name	**C4b**
UniProt Synonym Gene Names	C4

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/c4b-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113445