

Cobra venom factor Recombinant Protein | CVF recombinant protein

Recombinant Naja kaouthia Cobra venom factor, partial

CATALOG #
AAA116497

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

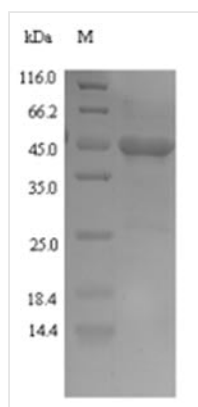
PRODUCT SYNONYMS

Cobra venom factor; Recombinant Naja kaouthia Cobra venom factor; partial; Complement C3 homolog; CVF 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	733-984aa; Partial
Sequence	DDNEDGFIAD SDIISRSDFP KSWLWLTkDL TEEPNSQGIS SKTMSFYLRD SITTWVVLAV SFTPTKGICV AEPYEIRVMK VFFIDLQMPY SVVKNEQVEI RAILHNYVNE DIYVRVELLY NPAFCSASTK GQRYRQQFPI KALSSRAVPF VIVPLEQGLH DVEIKASVQE ALWSDGVRKK LKVVPEGVQK SIVTIVKLDP RAKGVGGTQL EVIKARKLDD RVPDTEIETK IIIQGDPVAQ IIENSIDGSK LN
Species	Naja kaouthia (Monocled cobra) (Naja siamensis)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
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 CVF recombinant protein	Complement-activating protein in cobra venom. It is a structural and functional analog of complement component C3b, the activated form of C3. It binds factor B (CFB), which is subsequently cleaved by factor D (CFD) to form the bimolecular complex CVF/Bb. CVF/Bb is a C3/C5 convertase that cleaves both complement components C3 and C5. Structurally, it resembles the C3b degradation product C3c, which is not able to form a C3/C5 convertase. Unlike C3b/Bb, CVF/Bb is a stable complex and completely resistant to the actions of complement regulatory factors H (CFH) and I (CFI). Therefore, CVF continuously activates complement resulting in the depletion of complement activity.
References	"Molecular cloning and derived primary structure of cobra venom factor." Fritzinger D.C., Bredehorst R., Vogel C.-W. Proc. Natl. Acad. Sci. U.S.A. 91:12775-12779(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	54035743
UniProt Accession #	Q91132; Q6PQH3; Q6RHR7
Molecular Weight	44.4 kDa
NCBI Official Full Name	Cobra venom factor
UniProt Protein Name	Cobra venom factor
UniProt Gene Name	CVF
UniProt Synonym Gene Names	CVFk
UniProt Entry Name	VCO3_NAJKA

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://www.aaabiotech.com/cvf-recombinant-protein-e-coli/116497>