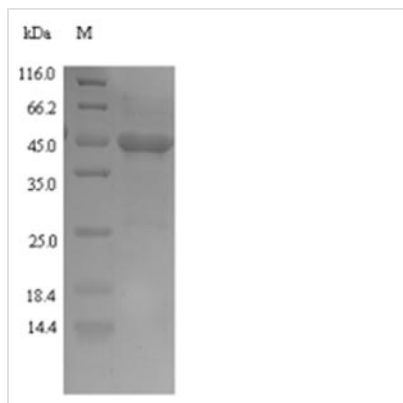




# Recombinant Naja kaouthia Cobra venom factor, partial

<b>Product Code</b>	CSB-EP856221NAF
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Naja kaouthia Cobra venom factor protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q91132
<b>Alias</b>	Complement C3 homolog
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Naja kaouthia (Monocled cobra) (Naja siamensis)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	DDNEDGFIADSDIISRSDFPKSWLWLTKDLTEEPNSQGISSKTMSTFYLRDSITT WVVLAVSFTPTKGCVAEPYEIRVMKVFFIDLQMPYSVVKNEQVEIRAILHNYVN EDIYVRVELLYNPAFCSASTKGGQRYRQQFPIKALSSRAVPFVIVPLEQGLHDVEI KASVQEALWSDGVRKCLKVPEGVQKSIVTIVKLDPRAKGVGGTQLEVIKARK LDDRVPDTEIETKIIQGDPVAQIIENSIDGSKLN
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Expression Region</b>	733-984aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	44.4kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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