

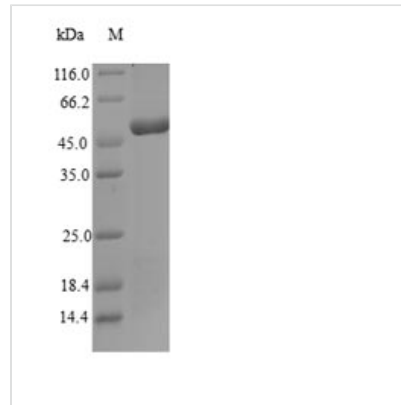


Recombinant Naja mossambica Snake venom metalloproteinase-disintegrin-like mocarhagin

Product Code	CSB-EP606027NAH
Relevance	Snake venom zinc metalloproteinase that inhibits platelet aggregation by cleaving platelet glycoprotein Ib alpha (GP1BA) at Glu-298/Asp-299, and abolishes binding of von Willebrand factor (VWF) to GPIBA. Cleaves P-selectin glycoprotein ligand-1 (PSGL-1/SELPLG) at Tyr-51/Asp-52, and completely abolishes the binding of PSGL-1 to P-selectin. Anionic amino acid sequences containing sulfated tyrosines are needed for cleavages. Inhibits the thrombin-induced platelet aggregation, and the thrombin-induced release of ATP and ADP. Has lectin activity
Abbreviation	Recombinant Naja mossambica Mocarhagin-1 protein
Storage	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.
Uniprot No.	Q10749
Alias	Zinc metalloproteinase mocarhagin
Product Type	Recombinant Protein
Immunogen Species	Naja mossambica (Mozambique spitting cobra)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	TNTPEQDRYLQAKKYIEFYVVVDNVMYRKYTGKLVITRRVYEMVNALNTMYR RLNFHIALIGLEIWSNGNEINVQSDVQATLDFGEWRENKLLPRKRNDNAQLLT STFNNGTTTGLGYIGSLCSPKKSVAVVQDHSKSTSMVAITMAHQMGHNLGMN DDRASCTCGSNKCIMSTKYYESLSEFSSCSVQEHREYLLRDRPQCILNKPSRK AIVTPPVCGNFYVERGEECDGSPEDCQNTCCDAATCKLQHEAQCDSGECC EKCKFKGAGAEACRAAKNDCDFPELCTGRSAKCPKDSFQRNGHPCQNNQGYC YNGTCPTLTNQCATLWGP GAKMSPGLCFMLNWNARSCGLCRKENGGRKILCA AKDVKCGRLFCKKKNSMICHCPPPSKDPNYGMVAPGTKCGVKKVCRNRQCV KV
Research Area	Others
Source	E.coli
Expression Region	192-609aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	50.7kDa
Protein Length	Full Length of Mature Protein



Image



(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

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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