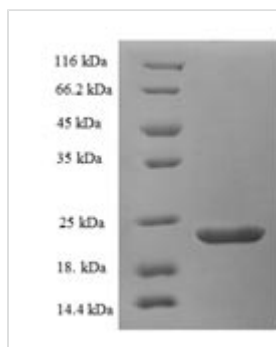




Recombinant Echis carinatus Disintegrin EC3B

Product Code	CSB-EP305526EAH
Relevance	Inhibits adhesion of cells expressing alpha-4/beta-1 (ITGA4/ITGB1) and alpha-4/beta-7 (ITGA4/ITGB7) integrins to the natural ligands vascular cell adhesion molecule 1 (VCAM-1) and mucosal addressin cell adhesion molecule 1 (MADCAM-1). It is also a weaker inhibitor of alpha-5/beta-1 (ITGA5/ITGB1) and alpha-2b/beta-3 (ITGA2B/ITGB3) integrins. The inhibitory activity of EC3 towards alpha-4 integrins is associated with the MLD sequence of EC3B subunit. The ability of EC3 to inhibit ITGA5/ITGB1 resides in both subunits A and B.
Abbreviation	Recombinant Echis carinatus Disintegrin EC3B 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.	P81631
Product Type	Recombinant Protein
Immunogen Species	Echis carinatus (Saw-scaled viper)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	NSVHPCCDPVKCEPREGEHCISGPCCRNCKFLNAGTICKRAMLDGLNDYCTGI STDCPRNRYK GKED
Research Area	Others
Source	E.coli
Expression Region	1-67aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	23.4kDa
Protein Length	Full Length

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. 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.