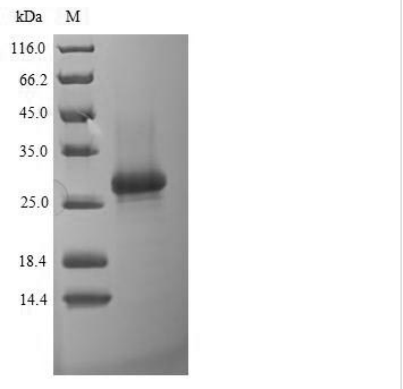
Recombinant Coxiella burnetii Protein RnfH (rnfH)

Product Code	CSB-EP481560DXM
Abbreviation	Recombinant Coxiella burnetii rnfH 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.	B6IZH9
Product Type	Recombinant Protein
Immunogen Species	Coxiella burnetii (strain CbuG_Q212) (Coxiella burnetii (strain Q212))
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MISIIIAYATPEKQVEIPLTVEESCTLVVAVKRSGILQQFPEINLSQAIVGIHNKRT ALDAGLRDGDRIEIYRPLTMDPKQARLLRAKRGKIRRMVRGEAG
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	rnfH
Expression Region	1-101aa
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	27.3kDa
Protein Length	Full Length

Image



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

Description

Constructing a plasmid encoding the Coxiella burnetii (strain CbuG_Q212) rnfH protein (1-101aa) is the initial step in the general approach to express the recombinant Coxiella burnetii (strain CbuG_Q212) rnfH protein. The plasmid is then transformed into e.coli cells. Positive e.coli cells are selected and cultured,

	protein expression is induced, and cells are lysed. The protein is fused with a N-terminal 6xHis-SUMO tag. The resulting recombinant Coxiella burnetii (strain CbuG_Q212) rnfH protein is then purified through affinity purification, and SDS-PAGE analysis is carried out to verify the presence and assess the purity of the protein. Its purity exceeds 90%.
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.