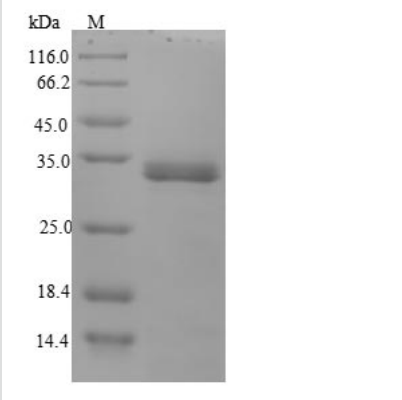
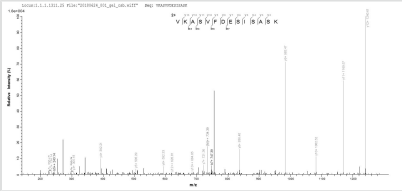
Recombinant Yersinia enterocolitica Attachment invasion locus protein (ail)

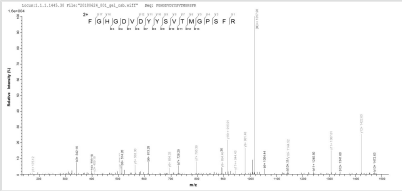
Product Code	CSB-EP322286YAQ
Relevance	Promotes the invasion of pathogenic bacteria into eukaryotic cells by an unknown mechanism.
Abbreviation	Recombinant Yersinia enterocolitica ail protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and 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.	P16454
Product Type	Recombinant Protein
Immunogen Species	Yersinia enterocolitica
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ASESSISIGYAQSHVKENGYTLDNDPKGFNLKYRYELDDNWGVIGSFAYTHQG YDFFYGSNKFGHGDVDYYSVTMGPSFRINEYVSLYGLLGAAHGKVKASVFDE SISASKTSMAYGAGVQFNPLPNFVIDASYEYSKLDSIKVGTWMLGAGYRF
Research Area	others
Source	E.coli
Target Names	ail
Protein Names	Recommended name: Attachment invasion locus protein
Expression Region	24-178aa
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	33.2kDa
Protein Length	Full Length of Mature Protein
Image	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP322286YAQ could indicate that this peptide derived from E.coli-expressed Yersinia enterocolitica ail.



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Description

Investigate the properties of Yersinia enterocolitica with our recombinant Attachment Invasion Locus protein (AIL), covering the full length of the mature 24-178aa expression region. AIL plays a critical role in the pathogenesis of Y. enterocolitica, making it an attractive target for research in microbiology, immunology, and other related fields. Produced in E.coli, this high-quality protein features an N-terminal 6xHis-SUMO tag for convenient purification, and exhibits a purity greater than 90% as assessed by SDS-PAGE. The lyophilized powder form ensures easy handling and storage for your research needs.

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.