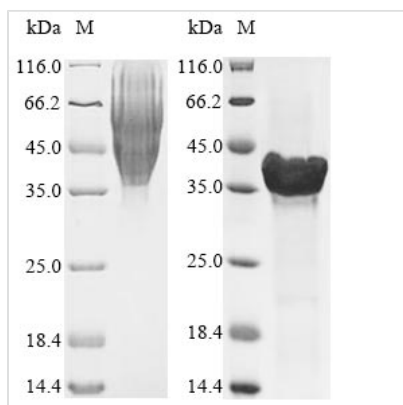




Recombinant Aggregatibacter actinomycetemcomitans Leukotoxin (ltxA), partial

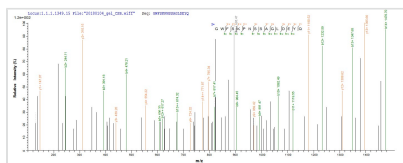
Product Code	CSB-YP322853AYK
Relevance	Virulence factor that plays an important role in immune evasion. Lyses human lymphocytes and monocytes. Binds to the LFA-1 integrin on the surface of the host cell and to cholesterol-containing membranes, which probably results in large LtxA-LFA-1 clusters in lipid rafts. Shows also beta-hemolytic activity on certain types of growth media.
Abbreviation	Recombinant Aggregatibacter actinomycetemcomitans ltxA protein, partial
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.	P16462
Product Type	Recombinant Protein
Immunogen Species	Aggregatibacter actinomycetemcomitans (Actinobacillus actinomycetemcomitans) (Haemophilus actinomycetemcomitans)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	IGSTLRDKFYGSKFNDVFHGHGDDLIYGYDGDDRLYGDNGNDEIHGGQGND KLYGGAGNDRLFGEYGNNYLDGGEGDDHLEGGNGSDILRGGSGNDKLFGNQ GDDLLDGGEGDDQLAGGEGNDIYVYRKEYGHHTITEHSGDKDKLSLANINLKD VSFERNNGNDLLLKTNNRTAVTFKGWFSKPNSSAGLDEYQRKLLEYAPEKDRA RLKRQFELQRGKVDKSLNNKVEEIIGKDGERITSQDIDNLFDKSGNKKTISPQEL AGLIKNKGKSSSLMSSSRSSSMLTQKSGLSNDISRIISATSGFGSSGKALSASP LQTNNNFNSYANSLATTA
Research Area	Others
Source	Yeast
Target Names	ltxA
Protein Names	AaLta lktA
Expression Region	721-1055aa
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	38.3 kDa
Protein Length	Partial
Image	



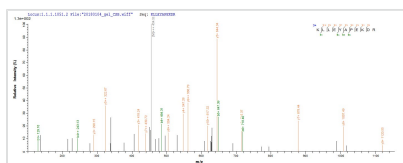
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

The reducing (R) protein migrates as 55 kDa in SDS-PAGE may be due to glycosylation.

Recommended Product



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP322853AYK could indicate that this peptide derived from Yeast-expressed *Aggregatibacter actinomycetemcomitans* (*Actinobacillus actinomycetemcomitans*) (*Haemophilus actinomycetemcomitans*) ItxA.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP322853AYK could indicate that this peptide derived from Yeast-expressed *Aggregatibacter actinomycetemcomitans* (*Actinobacillus actinomycetemcomitans*) (*Haemophilus actinomycetemcomitans*) ItxA.

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.