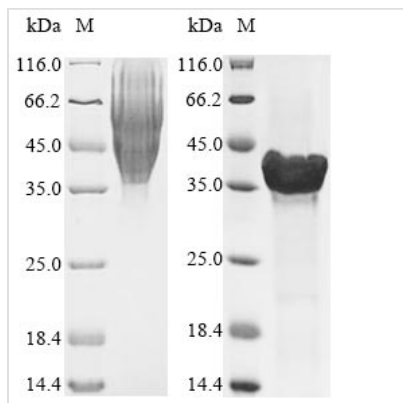




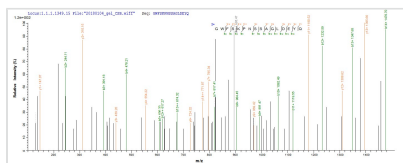
# Recombinant *Aggregatibacter actinomycetemcomitans* Leukotoxin (LtxA), partial

<b>Product Code</b>	CSB-YP322853AYK
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant <i>Aggregatibacter actinomycetemcomitans</i> LtxA protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	P16462
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Aggregatibacter actinomycetemcomitans</i> ( <i>Actinobacillus actinomycetemcomitans</i> ) ( <i>Haemophilus actinomycetemcomitans</i> )
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	IGSTLRDKFYGSKFNDVFGHGDGDDLIYGYDGDDRLYGDNGNDEIHGGQGND KLYGGAGNDRLFGEYGNLYLDGGEGDDHLEGGNGSDILRGGSGNDKLFQNG GDDLLDGGEGDDQLAGGEGNDIYVYRKEYGHHTITEHSGDKDKLSLANINLKD VSFERNGNDLLLKTNNRTAVTFKGFWSKPNSSAGLDEYQRKLLLEYAPEKDRA RLKRQFELQRGKVDKSLNNKVEEIIIGKDGERITSQDIDNLFDKSGNKKTISPQEL AGLIKNGKSSSLMSSSRSSMLTQKSGLSNDISRIISATSGFGSSGKALSASP LQTNNNFNSYANSLATTA
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	LtxA
<b>Protein Names</b>	AaLta lktA
<b>Expression Region</b>	721-1055aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	38.3 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	

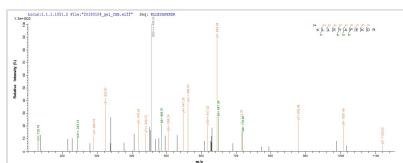


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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.



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### 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

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