

Recombinant *Aggregatibacter Actinomycetemcomitans* LTXA Protein (721-1055 aa), His-tagged

Cat. No. LTXA-2496A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Aggregatibacter Actinomycetemcomitans</i> (<i>Actinobacillus actinomycetemcomitans</i>) (<i>Haemophilus actinomycetemcomitans</i>) LTXA Protein (721-1055 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	<i>Aggregatibacter Actinomycetemcomitans</i>
Source	Yeast
ProteinLength	721-1055 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	38.3 kDa
AA Sequence	IGSTLRDKFYGSKFNDVFHGHGDDLIYGYDGDDRLYGDNGNDEIHGGQGNDKLY GGAGNDRLFGEYGNNYLDGGEEDDHLEGGNGSDILRGGSGNDKLFQNGQDDLLD GGEGDDQLAGGEGNDIYVYRKEYGHHTITEHSGDKDKLSLANINLKDVSFERNQND

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LLLKTNNRTAVTFKGFWSKPNSSAGLDEYQRKLLEYAPEKDRARLKRQFELQRGKV
DKSLNNKVVEEIIIGKDGERITSQDIDNLFDKSGNKKTISPQELAGLIKNGKSSSLMSSS
RSSSMLTQKSGLSNDISRIISATSGFGSSGKALSASPLQTNNNFNSYANSLATTA

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

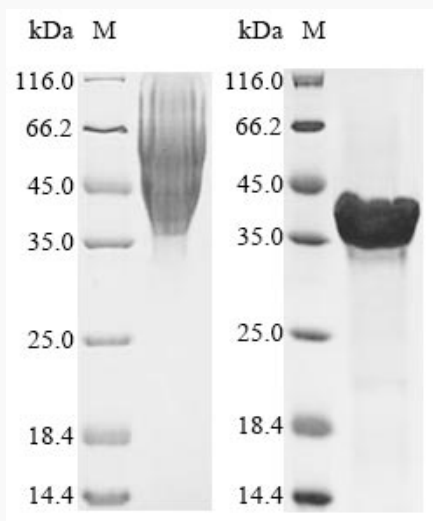
Synonyms ItxA;

UniProt ID [P16462](#)

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

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