

Recombinant Mannheimia Haemolytica LKTA Protein (715-953 aa), His-tagged

Cat. No. LKTA-1570M **Lot. No.** (See product label)

SPECIFICATION

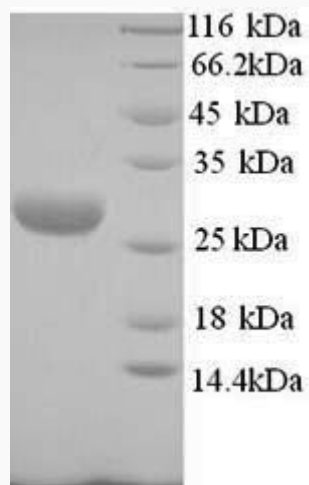
Product Overview	Recombinant Mannheimia Haemolytica (<i>Pasteurella haemolytica</i>) LKTA Protein (715-953 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mannheimia Haemolytica
Source	Yeast
ProteinLength	715-953 aa
Description	Pasteurella leukotoxins are exotoxins that attack host leukocytes and especially polymorphonuclear cells, by causing cell rupture. The leukotoxin binds to the host LFA-1 integrin and induces a signaling cascade leading to many biological effects, including tyrosine phosphorylation of the CD18 tail, elevation of the intracellular Ca²⁺ and lysis of the host cell . This leukotoxin is a major contributor to the pathogenesis of lung injury in ovine pneumonic pasteurellosis. It has also weak holytic activity.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	28.0 kDa
AA Sequence	IGTSHNDIFKGSKFND AFNGGDGVDTIDGNDGNDRLFGGKGDDIIDGGNGDDFIDGG KGNLLHGGKGDDIFVHRQG DGNDSITESEGN DKLSFSDSNLKD LTFEKNHHLVIT NTKQEKVTIQNW FREA EFAKTIQNYVATRDDKIEEIIQGNGERITSKQVDELIEKGNGK

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	IAQSELTkVVDNYQLLKYSRDASNSLDKLISSASAFTSSNDSRNVLASPTSM LDPSLS SIQFARAA
Purity	> 90% 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 with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Synonyms	lktA;
UniProt ID	P0C085



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

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