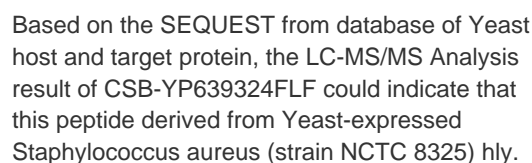
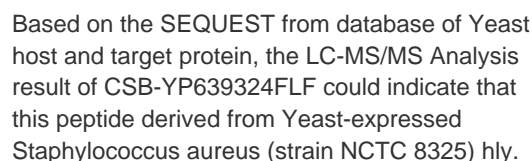




# Recombinant Staphylococcus aureus Alpha-hemolysin (hly)

<b>Product Code</b>	CSB-YP639324FLF
<b>Relevance</b>	Alpha-toxin binds to the mbrane of eukaryotic cells resulting in the release of low-molecular weight molecules and leading to an eventual osmotic lysis. Heptamer oligomerization and pore formation is required for lytic activity .
<b>Abbreviation</b>	Recombinant Staphylococcus aureus hly protein
<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>	Q2G1X0
<b>Alias</b>	Alpha-toxin
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Staphylococcus aureus (strain NCTC 8325)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	ADSDINIKTGTTDIGSNTTVKTGDLVTYDKENGMHKKVFYVSFIDDKNHNKLLVI RTKGTIAGQYRVYSEEGANKSGLAWPSAFKVQLQLPDNEVAQISDYYPNRSID TKEYMSTLTYGFGNGNVTGDDTGKIGGLIGANVSIGHTLKYYVQPDFKTILESPD KKVGWKVIFNNMVNQNWGPYDRDSWNPVYGNQLFMKTRNGSMKAADNFLD PNKASSLLSSGFSPDFATVITMDRKASKQQTNIDVIYERVDDYQLHWTSTNW KGTNTKDKWIDRSSERYKIDWEKEEMTN
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	hly
<b>Protein Names</b>	Recommended name: Alpha-hemolysin Short name= Alpha-HL Alternative name(s): Alpha-toxin
<b>Expression Region</b>	27-319aa
<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>	35.3kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



Recombinant full-length of Mature *Staphylococcus aureus* Alpha-hemolysin (hly) Protein (27-319 amino acids) with a 6xHis tag at the C-terminus was expressed in the yeast. SDS-PAGE analysis of the purified hly protein gave one band at 34–40 kDa of the target molecule. The purity of this hly protein is greater than 90%. The identification of the hly protein was validated by the LC-MS/MS Analysis. The delivery time is relatively short because the hly protein is in-stock.

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.

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