

## Alpha-hemolysin Protein, *S. aureus*, Recombinant

### General Information

Synonyms:	hly;hla;Alpha-HL;Alpha-hemolysin;Alpha-toxin
Protein Construction:	27-319 aa
Species:	<i>Staphylococcus aureus</i>
Expression Host:	<i>P. pastoris</i> (Yeast)
Accession:	P09616
Molecular Weight:	34.0 kDa (Predicted)
AA Sequence:	ADSDINIKTGTTDIGSNNTTVKTGDLVTYDKENGMHKKVFYSFIDDKNHNKLLVIRTKGTIAGQYRVYSEEGAN KSGLAWPSAFKVQLQLPDNEVAQISDYPRNSIDTKEYMSTLTGYFNGNVTGDDTGKIGGLIGANVSIGHTLK YVQPDFKTILESPTDKKVGWVKVIFNNMVNQNWGPYDRDSWNPVYGNQLFMKTRNGSMKAADNFLDPNKA SLLSSGFSPDFATVITMDRKASKQQTNIDVIYERVRDDYQLHWTSTNWKGTNTKDKWTDSSERYKIDWEK EEMTN

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	Not tested.
Formulation:	Lyophilized from PBS, 6% Trehalose, pH 7.4

### Preparation and Storage

**Reconstitution:**  
Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

**Stability & Storage:**  
Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 25 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**  
In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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