

Recombinant Staphylococcus Aureus HLY Protein (27-319 aa), His-tagged

Cat. No. HLY-1666S **Lot. No.** (See product label)

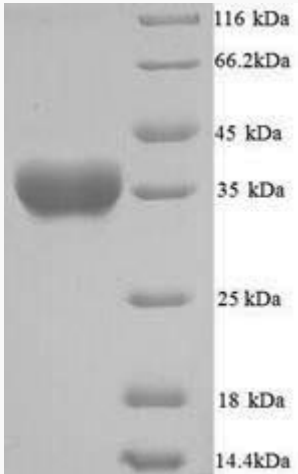
SPECIFICATION

Product Overview	Recombinant Staphylococcus Aureus (strain NCTC 8325) HLY Protein (27-319 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Staphylococcus Aureus
Source	Yeast
ProteinLength	27-319 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	35.3 kDa
AA Sequence	ADSDINIKTGTDDIGSNTTVKTGDLVTYDKENGMHKKVFYSFIDDKNHNKKLLVIRTK GTIAGQYRVYSEEGANKSGLAWPSAFKVQLQLPDNEVAQISDYYPNRSIDTKEYMS TLTYGFNGNVTGDDTGKIGGLIGANVSIGHTLKYVQPDFKTILESPTDKKVGWKVIFN NMVNQNWGPYDRDSWNPVYGNQLFMKTRNGSMKAADNFLDPNKASSLLSSGFSP DFATVITMDRKASKQQTNIIDVIYERVRDDYQLHWTSTNWKGTNTKDKWIDRSSERY KIDWEKEEMTN

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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	hly; Alpha-toxin;
UniProt ID	Q2G1X0
 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and	

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15% separation gel.

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