

## Recombinant Staphylococcus aureus Alpha-hemolysin

Catalog No: #AP73063



Package Size: #AP73063-1 20ug #AP73063-2 100ug #AP73063-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Staphylococcus aureus Alpha-hemolysin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-319aaSequence Info:Full Length
Other Names	Alpha-toxin
Accession No.	Q2G1X0
Uniprot	Q2G1X0
GenID	3920722;
Calculated MW	35.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ADSDINIKTGTTDIGSNTTVKTGDLVITYDKENGMHKKVFYSFIDDKHNHKKLLVIRTKGTIAGQYRVYSEEGANK SGLAWPSAFKVQLQLPDNEVAQISDYYPNRSIDTKEYMSTLTYGFNGNVTGDDTGKIGGLIGANVSIGHTLKYY QPDFKTILESPTDKKVGWVKVIFNNMVNQNWGPYDRDSWNPVYGNQLFMKTRNGSMKAADNFLDPNKASSLL SSGFSPDFATVITMDRKASKQQTNIDVIYERVRDDYQLHWTSTNWKGTNTKDKWIDRSSERYKIDWEKEEMT N
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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 .

## References

Synthetic effects of secG and secY2 mutations on exoproteome biogenesis in Staphylococcus aureus.Sibbald M.J., Winter T., van der Kooi-Pol M.M., Buist G., Tsompanidou E., Bosma T., Schafer T., Ohlsen K., Hecker M., Antelmann H., Engemann S., van Dijk J.M.J. Bacteriol. 192:3788-3800(2010)Research Topic:Others

Note: This product is for in vitro research use only