Phospholipase C (hlb) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phospholipase C (hlb), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Phospholipase C (hlb)
Product Gene Name	hlb recombinant protein
Product Synonym Gene Name	hlb
Sequence	ESKKDDTDLK LVSHNVYMLS TVLYPNWGQY KRADLIGQSS YIKNNDVVIF NEAFDNGASD KLLSNVKKEY PYQTPVLGRS QSGWDKTEGS YSSTVAEDGG VAIVSKYPIK EKIQHVFKSG CGFDNDSNKG FVYTKIEKNG KNVHVIGTHT QSEDSRCGAG HDRKIRAEQM KEISDFVKKK NIPKDETVYI GGDLNVNKGT PEFKDMLKNL NVNDVLYAGH NSTWDPQSNS IAKYNYPNGK PEHLDYIFTD KDHKQPKQLV NEVVTEKPKP WDVYAFPYYY VYNDFSDHYP IKAYSK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,238 Da
Sequence Positions	35-330, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5HEI1
Species	Staphylococcus aureus (strain COL)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hlb recombinant protein	MBS1441235 is a recombinant protein targeting hlb. Also known as Recombinant Staphylococcus aureus Phospholipase C (hlb). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hlb recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for hlb. It may not necessarily be applicable to this product.

NCBI GI #	446161752
NCBI Accession #	WP_000239607.1
UniProt Primary Accession #	Q5HEI1
GenBank Nucleotide #	WP_000239607.1
NCBI Official Full Name	MULTISPECIES: phosphodiesterase

UniProt Protein Name	Phospholipase C
UniProt Synonym Protein Names	Beta-hemolysin; Beta-toxin; Sphingomyelinase; SMase
Protein Family	Phospholipase
UniProt Gene Name	hlb
UniProt Synonym Gene Names	SMase
UniProt Comments for hlb	Bacterial hemolysins are exotoxins that attack blood cell membranes and cause cell rupture. Beta-hemolysin is a phospholipase C with specific activity toward sphingomyelins. Has a high specificity for sphingomyelin, hydrolyzes lysophosphatidylcholine at a much lower rate, but has no activity towards phosphatidylcholine, phosphatidylethanolamine, or phosphatidylserine ().
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