Bifunctional Autolysin (atl) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional autolysin (atl), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Bifunctional autolysin (atl), partial
Product Gene Name	atl recombinant protein
Product Synonym Gene Name	atl
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	137,407 Da
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 Q8NX96
Species	Staphylococcus aureus (strain MW2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atl recombinant protein	MBS1422088 is a recombinant protein targeting atl. Also known as Recombinant Staphylococcus aureus Bifunctional autolysin (atl), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atl 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 atl. It may not necessarily be applicable to this product.

NCBI GI #	446997286
NCBI Accession #	WP_001074542.1
UniProt Primary Accession #	Q8NX96
GenBank Nucleotide #	WP_001074542.1
NCBI Official Full Name	MULTISPECIES: bifunctional autolysin
UniProt Protein Name	Bifunctional autolysin
Protein Family	Atlastin
UniProt Gene Name	atl
UniProt Synonym Gene Names	nag

UniProt Comments for atl	Endohydrolysis of the di-N-acetylchitobiosyl unit in high-mannose glycopeptides and glycoproteins containing the -[(Man)5(GlcNAc)2]-Asn structure. One N-acetyl-D-glucosamine residue remains attached to the protein; the rest of the oligosaccharide is released intact. Cleaves the peptidoglycan connecting the daughter cells at the end of the cell division cycle, resulting in the separation of the two newly divided cells. Acts as an autolysin in penicillin-induced lysis ().
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