

Recombinant Full Length Neisseria Meningitidis Serogroup A / Serotype 4A Lipid A Export Atp-Binding/Permease Protein Msba(Msba) Protein, His-Tagged

Cat. No. RFL27251NF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Neisseria meningitidis serogroup A / serotype 4A Lipid A export ATP-binding/permease protein MsbA(msbA) Protein (Q9JW59) (1-621aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Neisseria meningitidis serogroup A / serotype 4A
Source	E.coli
ProteinLength	Full Length (1-621)
Form	Lyophilized powder
AA Sequence	MIEKLTFGLFKKEDARSFMRMLMAYVRPYKIRIVAALIAIFGVAATESYLAAFIAPLINHG FSAPAAPPELSAAAGILSTLQNWREQFTYMWVG TENKIWTVPLFLIILVVIRGICRFTS T YLMTWVSVMTISKIRKDMFAKMLTLSSRYHQETPSGTVLMNMLNLTEQSVSNASD IFTVL TRDTMIVTGLTIVLLYLNWQLSLIVVLMFPLLSLLSRYRDR LKHVISDSQKSIG TMNNV IAETHQGHRVVKLFNGQAQAANRFD AINRTIVRLSKKITQATAAHSPFSELIA SIALAVV IFIALWQSQNGYTTIGEFMAFIVAMLQMYAPIKSLANISIPMQTMFLAADGV CAFLDTPP EQDKGTLAPQRVEGRISFRNVDVEYRSDGIKALDGFNLDIRQGERVALV GRSGSGKSTVV NLLPRFVEPSAGNICIDGIDIADIKLDCLRAQFALVSQDVFLFDDTL FENVRYSRPDAGE AEVLSALQAANLQSLIDASPLGLHQPIGSNGSNLSGGQRQRVA IARAILKDAPILLLLDEA TSALDNESERLVQQALERLMENRTGIIVAHRLTTIEGADRIIV

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	MDDGKIIIEQGTHEQLMS QNGYYTMLRNISNKDAAVRTA
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	msbA
Synonyms	msbA; NMA0535; ATP-dependent lipid A-core flippase; Lipid A export ATP-binding/permease protein MsbA
UniProt ID	Q9JW59

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