

# 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

<b>Product Overview</b>	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.
<b>Species</b>	Neisseria meningitidis serogroup A / serotype 4A
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-621)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MIEKLTFLFKKEDARSFMLMAYVRPYKIRIVAALIAIFGVAATESYLAAFIAPLINHG            FSAPAAPPELSAAAGILSTLQNWREQFTYMVWGTHENKIWTVPLFLIILVVIRGICRFTS            T YLMTWVSVMTISKIRKDMFAKMLTLSSRYHQETPSGTVLMNMLNLTEQSVSNASD            IFTVL TRDTMIVTGLTIVLLYLNWQLSLIVVLMFPLLSLLSRYRDRDLKHVISDSQKSIG            TMNNV IAETHQGHRRVVKLFNGQAQAANRFDAINRTIVRLSKKITQATAAHSFSELIA            SIALAVV IFIALWQSQNGYTTIGEFMAFIVAMLQMYAPIKSLANISIPMQTMFLAADGV            CAFLDTPP EQDKGTLAPQRVEGRISFRNVDVEYRSDGIKALDGFNLDIRQGERVALV            GRSGSGKSTVV NLLPRFVEPSAGNICIDGIDIADIKLDCLRAQFALVSQDVFLFDDTL            FENVYSRPDAGE AEVLSALQAANLQSLIDASPLGLHQPIGSNGSNLSGGQRQ RVA            IARAILKDAPILLLDEA TSALDNESERLVQQALERLMENRTGIIVAHRLTTIEGADRIIV</p>

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MDDGKIEQGTHEQLMS 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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