

Recombinant Full Length Francisella Tularensis Subsp. Tularensis Lipid A Export Atp-Binding/Permease Protein Msba(Msba) Protein, His-Tagged

Cat. No. RFL21947FF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Francisella tularensis subsp. tularensis Lipid A export ATP-binding/permease protein MsbA(msbA) Protein (Q14JW6) (1-609aa), fused to N-terminal His tag, was expressed in E. coli.

Species Francisella tularensis

Source E.coli

ProteinLength Full Length (1-609)

Form Lyophilized powder

AA Sequence

MANMIDKIDLKSGSSNLSGEMTNHQKVGTLTKRLLQVKHLWHFLLAAIGSIFFSA
 AD ASMIYLINPILNYGFGPGGGITKQSATILMLMGVGMVGLLALRSVGSFVSQYFIGS
 LGQK VVYKFRKDIYKRLMDLPASFFDKHSTGQIISRLLYNVDQVIEATSTAITVVQDG
 TFIG LIVVMFVSSWQLSLFLIVVGPFLGLFISIINKKFRNLSRNTQSSMGNVTHTAEE
 TIRNYK EIRIFGAQQKQNKFFKNLDYTYSQQIRTIALDALTSPIVIQIIASLVLAFSLFTI
 AIFGT NEGDGSSWLTAGSFASFFAAAAAILKPIKNLTKVNVVIQKAVAATEDIFYILDY
 PAEKET GSKELAKVDGNVTIKDLSFAGGEHKVLSGVSDIKAGQTVAFVKGKSGSGK
 TTLTSIISRF YTQHEGEILLDGVDTRELTLENLRSHLSIVSQNVHLFDDTVYNNIAFGL
 SREVSEEEVID ALKRANAYEFVQELSDGINTNIGNNGSKLGGQRQRISARALLKNA
 PVLIFDEATSALD NESERVVQQALES�TKSCTTIVIAHRLSTVENADKIVVMDGGRVV

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ESGKHQELLEQGGLY TRLYQSGQLQ

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; FTF0109; ATP-dependent lipid A-core flippase; Lipid A export ATP-binding/permease protein MsbA

UniProt ID [Q14JW6](#)

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