

# Recombinant Full Length *Erwinia Carotovora* Subsp. *Atroseptica* Lipid A Export Atp-Binding/Permease Protein Msba(Msba) Protein, His-Tagged

**Cat. No.** RFL34931PF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Full Length <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> Lipid A export ATP-binding/permease protein MsbA(msbA) Protein (Q6D437) (1-582aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | <i>Pectobacterium atrosepticum</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Full Length (1-582)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | <p>MLNDKDLSTWQTFRRLWPMISPFKAGLAVAAIALIINAAGDTLMLSLLKPLLDEGFGK<br/> AD RSVLLWMPLVVIGLMLVRGASGFVSSYCVSWVSGKVVMNMRRRLFSHIMGMPV<br/> AFFDQQS TGTLISRITYDSEQVAASSSGALITVREGASIIGLFILMFYYSWQLSIILIVI<br/> APIVSI AMRMVSKRFRSISKNMQDTMGHVTTSTEQMLKGHKEVLMFGGQDVETKR<br/> FEQVSNRMRQQ GMKMVSASSISDPHIIQLIASLALAFVLYAASFPSVMETLTAGTITVV<br/> FSSMIALMRPLKS LTNVNAQFQRGMAACQTLFAILDMEQERDTGKREIERAKGELE<br/> FRQVNFAYPARENLALK NINLHIPVGKTVALVGRSGSGKSTIASLITRFYDIQSGEILL<br/> DGHDLREYRLSSLRNQVA LVSQNVHLFNDTIANNIAYARNENYSREEIERAAKMAYA<br/> MDFINKMEHGLDTVIGENGVM LSGGQRQRIAIARALLRDSPILILDEATSALDTESER<br/> AIQAALDELQKDR TALVIAHRLS TIEKADEILVVEDGRIIERGNHTALLATNGAYAQLH</p> |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | RMQFGE                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | 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

|                   |                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | msbA                                                                                                 |
| <b>Synonyms</b>   | msbA; ECA2557; ATP-dependent lipid A-core flippase; Lipid A export ATP-binding/permease protein MsbA |
| <b>UniProt ID</b> | <a href="#">Q6D437</a>                                                                               |

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