

## Lpp Protein, Erwinia amylovora, Recombinant (His & SUMO)

### General Information

Synonyms:	lpp;Major outer membrane lipoprotein Lpp
Protein Construction:	21-78 aa
Species:	Erwinia amylovora
Expression Host:	E. coli
Accession:	P02939
Molecular Weight:	22.4 kDa (predicted)
AA Sequence:	CSSNAKIDQLSTDVQTLNAKVDQLSNDVTAIRSDVQAAKDDAARANQRLDNQAHSYRK

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

A highly abundant outer membrane lipoprotein that controls the distance between the inner and outer membranes. The only protein known to be covalently linked to the peptidoglycan network (PGN). Also non-covalently binds the PGN. The link between the cell outer membrane and PGN contributes to maintenance of the structural and functional integrity of the cell envelope, and maintains the correct distance between the PGN and the outer membrane.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481