

# Recombinant Buchnera Aphidicola Subsp. Schizaphis Graminum BUSG347 Protein (24-369 aa), His-SUMO-Myc-tagged

**Cat. No.** BUSG347-2284B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Buchnera Aphidicola Subsp. Schizaphis Graminum (strain Sg) BUSG347 Protein (24-369 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length of Mature Protein.                                                                               |
| <b>Species</b>          | Buchnera Aphidicola Subsp. Schizaphis Graminum                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 24-369 aa                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Forms pores that allow passive diffusion of small molecules across the membrane.                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 59.0 kDa                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | IEIFNKNGNKLELYGSINPNHNFSNEFLSTKISSKEDNTNAILGLSGKIKITDKLSSYAQI<br>EYKNNFFMPEDLMNKQQPNTVRLGYAGLKYGNLGSIDYGRNYGVIHDAQSLTDHVP<br>YINKKSIFAYNDNYMVGRNHSLTYRNNNVFGLVDGISFALQYQDEIKNRDLNKGKS<br>SSGWGASLKYESDGLTAVGSCFTSERMISSNKKDLKNTSVDSYGLGFKYDANNVY<br>VAAFYGSARNLMPYNMHISDSFINETQNIEAIAEYSFDSGFHPSLSYLD SKGQNSNS<br>PKKELDLAKQINISTRYEFNKNVSTYMNYKINLLKENDFISQNPQIPTDNTIGAGVVYQF |

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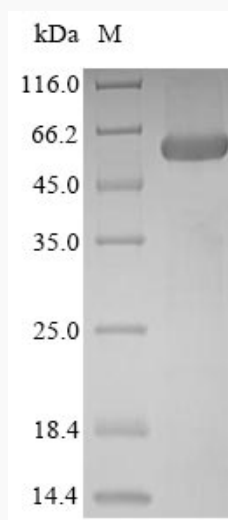
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|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                |

## GENE INFORMATION

|                   |                        |
|-------------------|------------------------|
| <b>Synonyms</b>   | BUs <sub>g</sub> _347; |
| <b>UniProt ID</b> | <a href="#">Q8K9I8</a> |



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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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