

# Recombinant Full Length Mycobacterium Vanbaalenii Undecaprenyl-Diphosphatase(Uppp) Protein, His-Tagged

**Cat. No.** RFL31501MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Mycobacterium vanbaalenii Undecaprenyl-diphosphatase(uppP) Protein (A1TAS8) (1-276aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                    |
| <b>Species</b>          | Mycobacterium vanbaalenii                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Full Length (1-276)                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MSWLQVVVLSVLQGLTEFLPVSSSGHLAIASRVFFEDDAGASFTAVSQLGTEVAVLV<br>YFA RDIVRIVKAWFAGLFRAGQRSADYWLGWVVIIGTIPISVVGLLFKDEIRTGARNL<br>WLVAT AMIVFSFVIAAAEYYGRQARRVEQLTWRDSIIVGLAQCLALVPGVSRSGATI<br>SAGLFLGM HRELAARFGFLLAIPAVFASGLFSLPDAFEPVGEGMSASGAQLFVSIVIA<br>FVVGAAVAW FLRFLVRHSMYWFVGYRIVLGTVVVLVLLSAGVVSAI |
| <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                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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**

uppP

**Synonyms**

uppP; Mvan\_3483; Undecaprenyl-diphosphatase; Bacitracin resistance protein; Undecaprenyl pyrophosphate phosphatase

**UniProt ID**

[A1TAS8](#)

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