

# Recombinant Arthrobacter Globiformis UOX Protein (11-297 aa), His-tagged

**Cat. No.** UOX-1553A    **Lot. No.** (See product label)

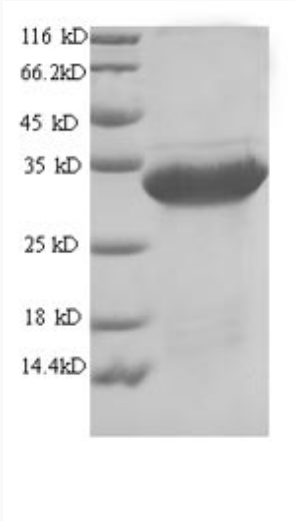
## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Arthrobacter Globiformis UOX Protein (11-297 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.                                                                                                                      |
| <b>Species</b>          | Arthrobacter Globiformis                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 11-297 aa                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Catalyzes the oxidation of uric acid to 5-hydroxyisourate, which is further processed to form (S)-allantoin.                                                                                                                                                                                                      |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 34.4 kDa                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | TKVVLGQNQYGKAEVRLVKVTRNTARHEIQDLNVTSQLRGDFEAAHTAGDNAHVVA<br>TDTQKNTVYAFARDGFATTEEFLLRLGKHFTGFDWVTGGRWAAQQFFWDRINDH<br>DHAFSRNKSEVRTAVLEISGSEQAIVAGIEGLTVLKSTGSEFHGFPRDKYTTLQETTD<br>RILATDVSARWRYNTVEVDFDAVYASVRGLLLKAFETHSLALQQTM YEMGRAVIET<br>HPEIDEIKMSLPNKHFLVLDLQPFQDNPNEVFYAADRPYGLIEATIQREGSRADHPI<br>WSN |

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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 with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b>                                                              |                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>                                                                      | uox; Urate oxidase Short name: AgUOX;                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>                                                                    | <a href="#">D0VWQ1</a>                                                                                                                                                                                                                                                                                              |
|  |                                                                                                                                                                                                                                                                                                                     |

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

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