

Recombinant *Arthrobacter globiformis* UOX Protein Product Manual

1. Product Basic Information

Product No.: REP08605

Protein Name: Urate Oxidase (Pseudogene (UOX))

Aliases: urate oxidase (pseudogene)

UniProt ID: P16164

UniProt Link: <https://www.uniprot.org/uniprotkb/P16164/entry>

Species Source: *Arthrobacter globiformis*

Expression System: Yeast

Protein Length: Partial (11-297aa)

Molecular Weight: 34.4kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (11-297aa)

TKVVLGQNQYGKAEVRLVKVTRNTARHEIQDLNVTSQLRGDFEAAHTAGDNAHVV
ATDTQKNTVYAFARDGFATTEEFLLRLGKHFTGFDWVTGGRWAAQQFFWDRIND
HDHAFSRNKSEVRTAVLEISGSEQAIVAGIEGLTVLKSTGSEFHGFPRDKYTTLQET
TDRILATDVSARWRYNTVEVDFDAVYASVRGLLLKAFETHSLALQQTMYEMGRAV
IETHPEIDEIKMSLPNKHHLVLDLQPFQDNPNEVFYAADRPYGLIEATIQREGSRAD
HPIWSN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant *Arthrobacter globiformis* UOX partial protein (11-297aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. UOX, also known as urate oxidase (pseudogene, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.