

Recombinant *Arthrobacter globiformis* Uricase(uox)

Catalog No: #AP72837

Package Size: #AP72837-1 20ug #AP72837-2 100ug #AP72837-3 1mg

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Description

Product Name	Recombinant <i>Arthrobacter globiformis</i> Uricase(uox)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:11-297aaSequence Info:Partial
Other Names	Urate oxidase Short name: AgUOX
Accession No.	D0VWQ1
Uniprot	D0VWQ1
Calculated MW	34.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TKVVLGQNQYGKAEVRLVKVTRNTARHEIQDLNVTSQLRGDFEAAHTAGDNAHVATDTQKNTVYAFARDGF ATTEEFLLRLGKHFTTEGFDWVTGGRWAAQQFFWDRINDHDHAFSRNKSEVRTAVLEISGSEQAIVAGIEGLTV LKSTGSEFHGFPRDKYTTLQETTDRILATDVSARWRYNTVEVDFDAVYASVRGLLLKAFETHSLALQQTMYE MGRAVIETHPEIDEIKMSLPNKHFLVDLQPFQDNPNEVFYAADRPYGLIEATIQREGSRADHPIWSN
Formulation	Tris-based buffer50% glycerol
Storage	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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the oxidation of uric acid to 5-hydroxyisourate, which is further processed to form (S)-allantoin.

References

"Structures of *Arthrobacter globiformis* urate oxidase-ligand complexes."Juan E.C., Hoque M.M., Shimizu S., Hossain M.T., Yamamoto T., Imamura S., Suzuki K., Tsunoda M., Amano H., Sekiguchi T., Takenaka A.Acta Crystallogr. D 64:815-822(2008)Research Topic:Others

Note: This product is for in vitro research use only