

Recombinant *Aspergillus niger* 3-phytase A

Catalog No: #AP72921



Package Size: #AP72921-1 20ug #AP72921-2 100ug #AP72921-3 1mg

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Description

Product Name	Recombinant <i>Aspergillus niger</i> 3-phytase A
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-467aaSequence Info:Full Length
Other Names	3 phytase A Myo-inositol hexakisphosphate phosphohydrolase A Myo-inositol-hexaphosphate 3-phosphohydrolase A
Accession No.	P34752
Uniprot	P34752
Calculated MW	50.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ASRNQSSCDTVDDGQYQCFSETSHLWGQYAPFFSLANESVISPEVPAGCRVTFQAQLSRHGARYPTDSKGGK YALIEEIQNATTFDGKYAFLKTYNYSLGADDLTPFGEQELVNSGIKFYQRYESLTRNIVPFIRSSGSSRVIASG KKFIEGFQSTKLKDPRAQPGQSSPKIDVISEASSNNTLDPGTCTVFEDSELADTVEANFTATFVPSIRQRLEN DLSGVTLTDTEVTYLMDMCSFDTISTSTVDTKLSPFCDLFTHDEWINYDYLQSLKYYGHGAGNPLGPTQGVG YANELIARLTHSPVHDDTSSNHTLDSSPATFPLNSTLYADFSHDNGIISILFALGLYNGTKPLSTTTVENITQTDG FSSAWTVPFASRLYVEMMQCAEQEPLVRVLVNDRVPLHGCPVDALGRCTRDSFVRGLSFARSGGDWAE CFA
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 hydrolysis of inorganic orthophosphate from phytate.

References

"Crystal structure of phytase from *Aspergillus ficuum* at 2.5-Å resolution."Kostrewa D., Gruninger-Leitch F., D'Arcy A., Broger C., Mitchell D., van Loon A.P.G.M.Nat. Struct. Biol. 4:185-190(1997)Research Topic:Others

Note: This product is for in vitro research use only