

Recombinant Aspergillus niger 3-phytase A(phyA)

Catalog No: #AP71058

Package Size: #AP71058-1 20ug #AP71058-2 100ug #AP71058-3 1mg

Description

Product Name	Recombinant Aspergillus niger 3-phytase A(phyA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-467aaSequence Info:Full Length
Other Names	3 phytase AMyo-inositol hexakisphosphate phosphohydrolase AMyo-inositol-hexaphosphate 3-phosphohydrolase A
Accession No.	P34752
Calculated MW	64.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ASRNQSSCDTVDQGYQCFSETSHLWGQYAPFFSLANESVISPEVPAGCRVTFAQVLSRHGARYPTDSKGKK YSALIEEIQQNATTFDGKYAFLKTYNYSLGADDLTPFGEQELVNSGIKFYQRYESLTRNIVPFIRSSGSSRVIASG KKFIEGFQSTKLKDPRAQPGQSSPKIDVISEASSNNLTDPGCTCFEDSELADTVEANFTATFVPSIRQRLEN DLSGVTLTDEVTYLMDMCSFDTISTSTVDTKLSPFCDLFTHDEWINYDYLQSLKKYYGHGAGNPLGPTQGVG YANELIARLTHSPVHDDTSSNHTLDSSPATFPLNSTLYADFSHDNGIISILFALGLYNGTKPLSTTTVENITQTDG FSSAWTVPFASRLYVEMMQCAEQEPLVRVLVNDRVVPLHGCPVDALGRCTRDSFVRGLSFARSGGDWAE 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 and is not intended for use in humans or animals.