

Recombinant *Aspergillus Niger* PHYA Protein (24-467 aa), His-tagged

SPECIFICATION

Cat.No.	PHYA-1589A
Species	<i>Aspergillus niger</i>
Product Name	Recombinant <i>Aspergillus Niger</i> PHYA Protein (24-467 aa), His-tagged
Product Overview	Recombinant <i>Aspergillus Niger</i> PHYA Protein (24-467 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Description	Catalyzes the hydrolysis of inorganic orthophosphate from phytate.
Source	Yeast
Tag	His
Form	Tris-based buffer, 50% glycerol
Molecular Mass	50.8 kDa
AA Sequence	ASRNQSSCDTVDQGYQCFSETSHLWGQYAPFFSLANESVISPEVPAGCRVTFAQVL SRHGARYPTDSKGKKYSALIEEIQQNATTFDGKYAFLKTYNYSLGADDLTPFGEQELV NSGIKFYQRYESLTRNIVPFIRSSGSSRVIASGKKFIEGFQSTKLKDPRAQPGQSSPKI DVVISEASSNNTLDPGTCTVFEDSELADTVEANFTATFVPSIRQRLNDLSGVTLTDT EVTYLMDCSFDTISTSTVDTKLSPFCDLFTHDEWINYDYLQSLKKYYGHGAGNPLG PTQGVGYANELIARLTHSPVHDDTSSNHTLDSSPATFPLNSTLYADFSHDNGIISILFAL GLYNGTKPLSTTTVENITQTDGFSSAWTVPFASRLYVEMMQCQAEQEPLVRVLVNDR VVPLHGCPVDALGRCTRDSFVRGLSFARSGGDWAECA
Purity	> 90% as determined by SDS-PAGE.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Synonyms	phyA; 3 phytase A Myo-inositol hexakisphosphate phosphohydrolase A Myo-inositol-

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hexaphosphate 3-phosphohydrolase A;

UniProt ID	P34752
Protein length	24-467 aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
Sequence	ASRNQSSCDTVDQGYQCFSETSHLWGQYAPFFSLANESVISPEVPAGCRVTFAQVL SRHGARYPTDSKGKKYSALIEEIQQNATTFDGKYAFLKTYNYSLGADDLTPFGEQELV NSGIKFYQRYESLTRNIVPFIRSSGSSRVIASGKKFIEGFQSTKLKDPRAQPGQSSPKI DVVISEASSNNTLDPGTCTVFEDSELADTVEANFTATFVPSIRQRLNDLSGVTLTDT EVTYLMDMCSFDTISTSTVDTKLSPFCDLFTHDEWINYDYLQSLKKYYGHGAGNPLG PTQGVGYANELIARLTHSPVHDDTSSNHTLDSSPATFPLNSTLYADFSHDNGIISILFAL GLYNGTKPLSTTTVENITQTDGFSSAWTVPFASRLYVEMMQCQAEQEPLVRVLVNDR VVPLHGCPVDALGRCTRDSFVRGLSFARSGGDWAECA