

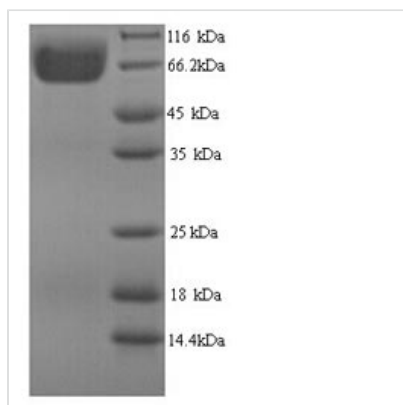


# Recombinant Aspergillus niger 3-phytase A (phyA)

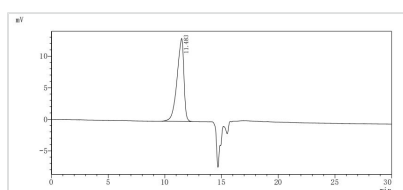
<b>Product Code</b>	CSB-YP333934DOZ
<b>Relevance</b>	Catalyzes the hydrolysis of inorganic orthophosphate from phytate.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P34752
<b>Alias</b>	3 phytase A Myo-inositol hexakisphosphate phosphohydrolase A Myo-inositol-hexaphosphate 3-phosphohydrolase A
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Aspergillus niger
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
<b>Sequence</b>	ASRNQSSCDTVDQGYQCFSETSHLWGQYAPFFSLANESVISPEVPAGCRVTF AQVLSRHGARYPTDSKGKKYSALIEEIQQNATTFDGKYAFLKTYNYSLGADDLT PFGEQELVNSGIKFYQRYESLTRNIVPFIRSSGSSSRVIASGKKFIEGFQSTKLKD PRAQPGQSSPKIDVWISEASSNNTLDPGTCTVFEDSELADTVEANFTATFVPS IRQRLNDLSGVTLTDTEVTYLMDCSFDTISTSTVDTKLSPFCDLFTHDEWIN YDYLQSLKKYYGHGAGNPLGPTQGVGYANELIARLTHSPVHDDTSSNHTLDS SPATFPLNSTLYADFSHDNGIISILFALGLYNGTKPLSTTTVENITQTDGFSSAW TVPFASRLYVEMMQCAEQEPLVRVLVNDRVVPLHGCPVDALGRCTRDSFVR GLSFARSGGDWAECA
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Gene Names</b>	phyA
<b>Protein Names</b>	Recommended name: 3-phytase A EC= 3.1.3.8Alternative name(s): 3 phytase A Myo-inositol hexakisphosphate phosphohydrolase A Myo-inositol- hexaphosphate 3-phosphohydrolase A
<b>Expression Region</b>	24-467aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	50.8kDa
<b>Protein Description</b>	Full Length of Mature Protein



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



The purity of phyA was greater than 95% as determined by SEC-HPLC

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.