

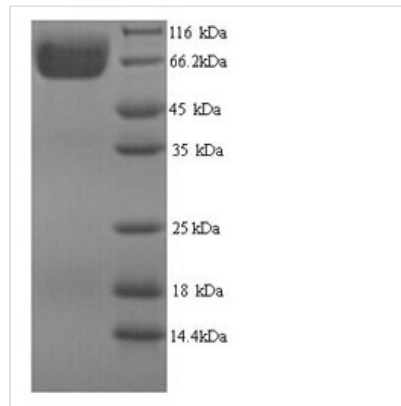


Recombinant *Aspergillus niger* 3-phytase A (phyA)

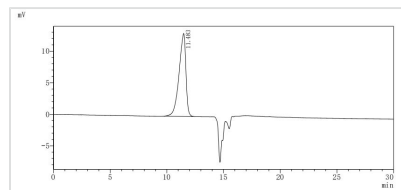
Product Code	CSB-YP333934DOZ
Relevance	Catalyzes the hydrolysis of inorganic orthophosphate from phytate.
Abbreviation	Recombinant <i>Aspergillus niger</i> phyA protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein 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.
Uniprot No.	P34752
Alias	3 phytase A Myo-inositol hexakisphosphate phosphohydrolase A Myo-inositol-hexaphosphate 3-phosphohydrolase A
Product Type	Recombinant Protein
Immunogen Species	<i>Aspergillus niger</i>
Purity	≥ 90% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	ASRNQSSCDTVDQGYQCFSETSHLWGQYAPFFSLANESVISPEVPAGCRVTF AQVLSRHGARYPTDSKGGKYSALIEEIQQNATTFDGYAFLKTYNYSLGADDLT PFGEQELVNSGIKFYQRYESLTRNIVPFIRSSGSSRVIASGKKFIEGFQSTKLKD PRAQPGQSSPKIDVVISSEASSNNTLDPGTCTVFEDSELADTVEANFTATFVPS IRQRENDLSGVTLTDTEVTYLMDMCSFDTISTSTVDTKLSPFCDLFTHDEWIN YDYLQSLKKYYGHGAGNPLGPTQGQVGYANELIARLTHSPVHDDTSSNHTLDS SPATFPLNSTLYADFSDNGIISILFALGLYNGTKPLSTTTVENITQTDGFSSAW TVPFASRLYVEMMQCQAEQEPLVRVLVNDRVVPLHGCPVDALGRCTRDSFVR GLSFARSGGDWAECEFA
Research Area	Others
Source	Yeast
Target Names	phyA
Protein Names	Recommended name: 3-phytase A EC= 3.1.3.8 Alternative name(s): 3 phytase A Myo-inositol hexakisphosphate phosphohydrolase A Myo-inositol-hexaphosphate 3-phosphohydrolase A
Expression Region	24-467aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	50.8kDa
Protein Length	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.

Shelf Life

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