

Datasheet for ABIN7273825
CHIA Protein (AA 22-473) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CHIA
Protein Characteristics:	AA 22-473
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHIA protein is labelled with His tag.

Product Details

Purpose:	Mouse AMCase/CHIA Protein
Sequence:	Tyr22-Pro473
Characteristics:	Recombinant Mouse AMCase/CHIA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Tyr22-Pro473.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CHIA
Alternative Name:	AMCase (CHIA Products)

Target Details

Background:	Acidic mammalian chitinase (AMCase) and chitotriosidase (CHIT-1) are two active chitinases expressed in humans. The chitinase activity of AMCase was found to be causative in allergic inflammation and its expression was found to be induced by interleukin-13. CHIT1-1 is expressed by phagocytic cells and extremely high levels are seen in lysosomal storage diseases. The expression of AMCase and CHIT-1 were differently modulated in HMMs at different stage of maturation.
Molecular Weight:	51 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Tris-Bis PAGE result.
UniProt:	Q91XA9

Application Details

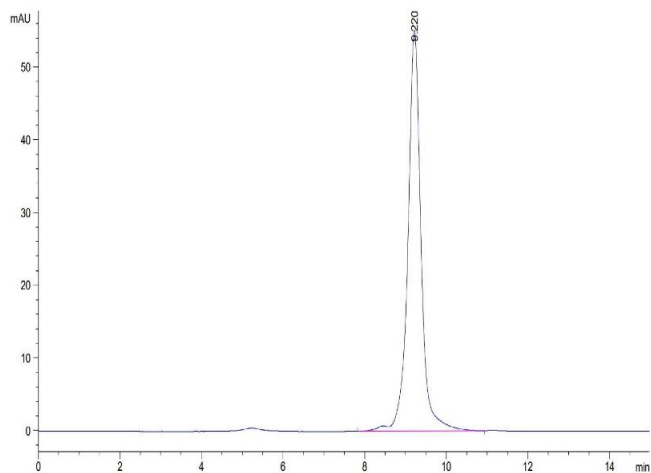
Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse AMCase/CHIA is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse AMCase/CHIA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

