

SPECIFICATION SHEET

Product Name: Cyn d 12
Catalog # CD12-A32H

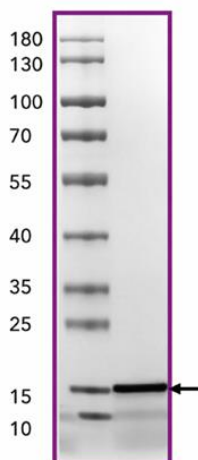
Product Description: Recombinant *Cynodon dactylon* (Bermuda grass)(*Panicum dactylon*) allergen Cyn d 12 was expressed in *E. coli* and purified by affinity chromatography using a His tag.

Storage and Stability: Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles, aliquot product into smaller quantities.

Data for a Sample Lot:

Alternative Names : Profilin
Source : *Cynodon dactylon* (Bermuda grass)(*Panicum dactylon*)
Accession Numbers : Genbank: [Y08390](#)
 UniProt: [004725](#)
Host : *E. coli*
Formulation : Protein stored in 1X PBS
Molecular Weight : Calculated: 15.2 kDa
 Observed: ~15 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Asturias JA, et al. Cloning and high level expression of *Cynodon dactylon* (Bermuda grass) pollen profilin (Cyn d 12) in *Escherichia coli*: purification and characterization of the allergen. *Clin Exp Allergy*. 1997 Nov;27(11):1307-13.
2. Liao C, et al. Major Pollen Allergen Components and CCD Detection in Bermuda Grass Sensitized Patients in Guangzhou, China. *J Asthma Allergy*. 2020, 16(13):615-623.
3. Liao C, et al. Major Grass Pollen Allergen Components and Cross-Reactive Carbohydrate Determinants in Mugwort-Sensitized Child Patients with Allergic Respiratory Disease in Western China. *Front Pediatr*. 2022, 14(10): 816354.