

SPECIFICATION SHEET

Product Name: Dau c 1
Catalog # DC01-A32H

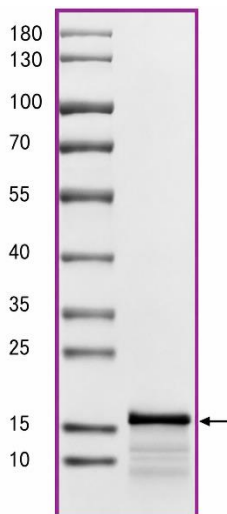
Product Description: Recombinant *Daucus carota* (Wild carrot) allergen Dau c 1 was expressed in *E. coli* and purified by affinity chromatography using a His tag.

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 : Pathogenesis-related protein, PR-10, Bet v 1 family member
Source : *Daucus carota* (Wild carrot)
Accession Numbers : Genbank: [U47087](#)
 UniProt: [004298](#)
Host : *E. coli*
Formulation : Protein stored in 1X PBS, 5% trehalose solution
Molecular Weight : Calculated: 18.9 kDa
 Observed: ~ 18 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Hendrich J, et al. Allergenicity and IgE Recognition of New Dau c 1 Allergens from Carrot. Mol. Nutr. Food Res. 2023, 67, 2200421.
2. Peters S, et al. Dau c 1.01 and Dau c 1.02-silenced transgenic carrot plants show reduced allergenicity to patients with carrot allergy. Transgenic Res 20, 547-556 (2011).