

SPECIFICATION SHEET

Product Name: Ana o 1 (N131)
Catalog # AN01-A921H

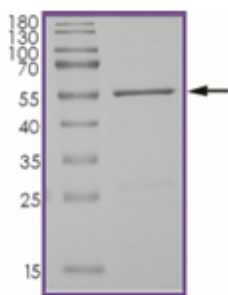
Product Description: Recombinant *Anacardium occidentale* allergen Ana o 1 (N131) was expressed in *E. coli* and purified by affinity chromatography using a His tag.

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 : Vicilin-like protein, Ana o 1.0101
Source : *Anacardium occidentale* (Cashew)
Accession Numbers : Genbank: [AF395894.1](https://www.ncbi.nlm.nih.gov/nuclot/AF395894.1)
 UniProt: [Q8L5L5](https://www.uniprot.org/uniprot/Q8L5L5)
Host : *E. coli*
Formulation : Protein stored in 1 X PBS, 5% sucrose, 5% trehalose solution
Molecular Weight : Calculated: 47.5 kDa
 Observed: ~55 kDa
Purity : The purity was determined to be ≥ 86% by densitometry

Gel Image



References

1. Wang F, Robotham JM, Teuber SS, Tawde P, Sathe SK, Roux KH. Ana o 1, a cashew (*Anacardium occidentale*) allergen of the vicilin seed storage protein family. *J Allergy Clin Immunol*. 2002 Jul;110(1):160-6. doi: 10.1067/mai.2002.125208. PMID: 12110836.
2. Foo ACY, Nesbit JB, Gipson SAY, DeRose EF, Cheng H, Hurlburt BK, Kulis MD, Kim EH, Dreskin SC, Mustafa S, Maleki SJ, Mueller GA. Structure and IgE Cross-Reactivity among Cashew, Pistachio, Walnut, and Peanut Vicilin-Buried Peptides. *J Agric Food Chem*. 2023 Feb 15;71(6):2990-2998. doi: 10.1021/acs.jafc.2c07061. Epub 2023 Feb 2. PMID: 36728846; PMCID: PMC10402694.