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SPECIFICATION SHEET

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

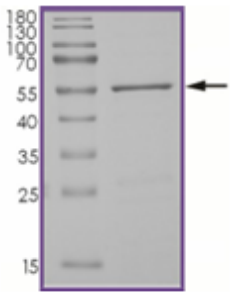
Product Description: Recombinant *Anacardium occidentale* allergen Ana o 1 (N131) was expressed in *E. coli* and purified by affinity chromatography using a His tag.

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:

Alternate Names	: Vicilin-like protein, Ana o 1.0101
Source	: *Anacardium occidentale* (cashew)
Accession Numbers	: GenBank: AF395894.1 UniProt: Q8L5L5
Host	: *E. coli*
Formulation	: Protein stored in 1x 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
Concentration	: 1.0 µg/µL

Gel Image



References

1. Wang F, Robotham JM, Teuber SS, Tawde P, Sathe SK, Roux KH. Ana o 1, a cashew (*Anacardium occidental*) allergen of the vicilin seed storage protein family. J Allergy Clin Immunol. 2002 Jul;110(1): 160–166. 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.