

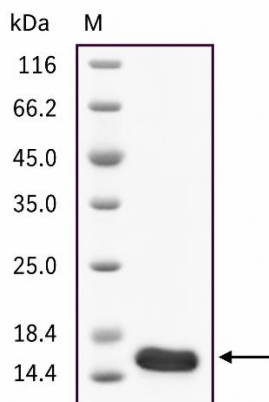
SPECIFICATION SHEET

Product Name: Ber e 1
Catalog #BE01-A22H

Product Description: Recombinant *Bertholletia excelsa* allergen Ber e 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.

Alternative Names : Brazil nut 2S albumin, 2S sulfur-rich seed storage protein 1,
Source : *Bertholletia excelsa* (brazil nut)
Accession Numbers : Genbank: [AAA33010](#)
 UniProt: [P04403](#)
Host : *E. coli*
Formulation : Protein stored in 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4
Molecular Weight : Calculated: 14.2 kDa
 Observed: ~15.0 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image

References

1. Alcocer M. et al. Ber e 1 protein: the versatile major allergen from Brazil nut seeds. *Biotechnol Lett.* 2012 Apr;34(4):597-610.
2. Alcocer J.C. et al. The Disulphide Mapping, Folding and Characterisation of Recombinant Ber e 1, an Allergenic Protein, and SFA8, Two Sulphur-rich 2S Plant Albumins. *Journal of Molecular Biology.* 2002 324(1): 165-175,