

SPECIFICATION SHEET

Product Name: Jug r 3

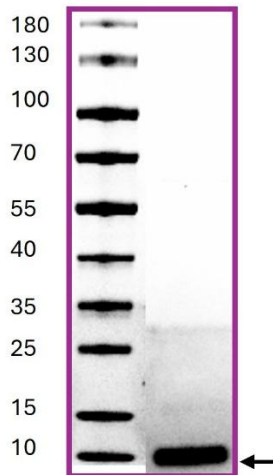
Catalog # JU01-A31U

Product Description: Recombinant full-length *Juglans regia* (English walnut) allergen Jug r 3 was expressed in *E. coli*.

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

Data for a Sample Lot:

Alternate Names : Allergen Jug r 3, Non-specific lipid transfer protein type 1 (nsLTP1)
Source : *Juglans regia* (English walnut)
Accession Numbers : GenBank: [EU780670](https://www.ncbi.nlm.nih.gov/nuccore/EU780670) UniProt: [C5H617](https://www.uniprot.org/uniprot/C5H617)
Host : *E. coli*
Formulation : Recombinant protein stored in 1x PBS solution
Molecular weight : Calculated: ~9.3 kDa
: Observed: ~10 kDa
Purity : The purity was determined to be ≥90% by densitometry
Gel Image



References

1. Lyons S, et al: Walnut Allergy Across Europe: Distribution of Allergen Sensitization Patterns and Prediction of Severity. *J Allergy Clin Immunol Pract.* 9:1-225, 2021.
2. Dubiela P, et al: Impact of lipid binding on the tertiary structure and allergenic potential of Jug r 3, the non-specific lipid transfer protein from walnut. *Sci Rep.* 14:9-2007,2019