

SPECIFICATION SHEET

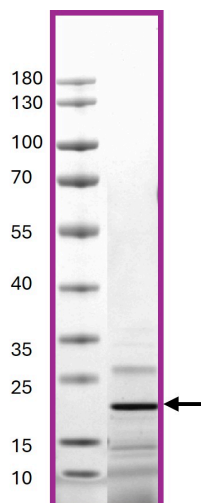
Product Name: Jug r 5

Catalog # JU05-A32H

Product Description: Recombinant *Juglans regia* (English walnut) allergen Jug r 5 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	: PR-10 protein, Bet v 1 homolog
Source	: <i>Juglans regia</i> (English walnut)
Accession Numbers	: GenBank: KX034087
Host	: <i>E. Coli</i>
Formulation	: Protein stored in 1x PBS, 5% trehalose solution
Molecular Weight	: Calculated: 18.6 kDa Observed: ~20 kDa
Purity	: The purity was determined to be ≥ 90% by densitometry
Gel Image	



References

1. Wangorsch A, et al. Identification and implication of an allergenic PR-10 protein from walnut in birch pollen associated walnut allergy. *Mol Nutr Food Res*. 2017 Apr;61(4).
2. Ballmer-Weber BK, et al. Allergen Recognition Patterns in Walnut Allergy Are Age Dependent and Correlate with the Severity of Allergic Reactions. *J Allergy Clin Immunol Pract*. 2019 May-Jun;7(5):1560-1567.e6.

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