

## Natural Cor a 9

### NA-CA9-1

Allergen:	nCor a 9 ( <i>Corylus avellana</i> allergen 9)
Lot No:	xxxxx
Source:	11S globulin from hazelnut.
Mol. Wt:	Multiple subunits ranging from 30 to 59 kD
Purification:	Purified from hazelnut extract by multi-step HPLC. Purity > 95 % by silver stained SDS-PAGE.
Concentration:	See product insert.
Formulation:	Preservative and carrier-free in 1M NaCl, PBS pH 7.40. Filtered through 0.22µm filter.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.
Notes:	(1) 11S globulins are synthesized as single peptide chain precursors that are cleaved post-translationally. (2) Solubility of Cor a 9 is dependent on the presence of at least 1M NaCl.



**For Research Use Only: Not for Diagnostic or Therapeutic Use**

**An InBio™ product**

### REFERENCES:

1. Beyer K et al. Identification of an11S globulin as a major hazelnut food allergen in hazelnut-induced systemic reactions. *J Allergy Clin Immunol.* 2002;110(3):517-23.
2. Guo Fet al. Purification and crystallization of Cor a 9, a major hazelnut allergen. *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 2009;65:42-6.
3. Masthoff LJ et al. Sensitization to Cor a 9 and Cor a 14 is highly specific for a hazelnut allergy with objective symptoms in Dutch children and adults. *J Allergy Clin Immunol.* 2013;132(2):393-9.