

## Recombinant Cor a 14

**Product Code: RP-CA14-1**

|                |   |
|----------------|---|
| Allergen:      | rCor a 14 ( <i>Corylus avellana</i> allergen 14)  |
| Lot No:        | xxxxx   |
| Source:        | <i>Pichia pastoris</i>  |
| Mol. Wt:       | 15 kD   |
| Purification:  | Purified from <i>Pichia pastoris</i> culture by His-Trap chromatography. Purity > 95 % by silver stained SDS-PAGE, run under reducing conditions. |
| Concentration: | See product insert.   |
| Formulation:   | Preservative and carrier-free in 1X PBS, 360 mM NaCl, pH 7.4. Filtered through 0.22µm filter.   |
| Storage:       | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| Notes:         | (1) rCor a 14 has a C-terminal 6xHis-tag.   |



rCor a 14

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

**REFERENCES:**

1. Garino C et al. Isolation, cloning, and characterization of the 2S albumin: a new allergen from hazelnut. *Mol Nutr Food Res* 2010; 54(9):1257-65.
2. 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.
3. Faber MA. Cor a 14: missing link in the molecular diagnosis of hazelnut allergy? *Int Arch Allergy Immunol*. 2014;164(3):200-6.
4. Pfeifer S et al. Cor a 14, the allergenic 2S albumin from hazelnut, is highly thermostable and resistant to gastrointestinal digestion. *Mol Nutr Food Res*. 2015 Oct;59(10):2077-86.