

Recombinant Cor a 1

Product Code: RP-CA1-1

Allergen: rCor a 1 (*Corylus avellana* allergen 1.0401)

Lot No: **XXXX**

Source: *Pichia pastoris*

Mol. Wt: 18 kD

Purification: Purified from *Pichia pastoris* 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, pH 7.4. Filtered through 0.22µm filter.

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.

Notes: (1) rCor a 1 has a C-terminal 6xHis-tag.
(2) Substituted Q for N (N126Q) at Glycosylation site 126



rCor a 1

For Research Use Only: Not for Diagnostic or Therapeutic Use

REFERENCES:

1. Breiteneder H, Ferreira F, Hoffmann-Sommergruber K, Ebner C, Breitenbach M, Rumpold H, Kraft D, Scheiner O. Four recombinant isoforms of Cor a I, the major allergen of hazel pollen, show different IgE-binding properties. *Eur J Biochem* 1993 Mar 1;212(2):355-62
2. Luttkopf D, Muller U, Skov PS, Ballmer-Weber BK, Wuthrich B, Skamstrup Hansen K, Poulsen LK, Kastner M, Hausteiner D, Vieths S. Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01. *Mol Immunol* 2002;38(7):515-25
3. Hofmann C, Scheurer S, Rost K, Graulich E, Jamin A, Foetisch K, Saloga J, Vieths S, Steinbrink K, Adler HS. Cor a 1-reactive T cells and IgE are predominantly cross-reactive to Bet v 1 in patients with birch pollen-associated food allergy to hazelnut. *J Allergy Clin Immunol* 2013;131(5):1384-92.