



Recombinant Cor a 1

Product Code: RE-CA101-1

Allergen: rCor a 1 (*Corylus avellana* allergen 1.0101)

Lot No: **xxxxxx**

Source: *E. coli*

Mol. Wt: 18 kD

Purification: Purified from *E. coli* culture by His-Trap chromatography. SDS-PAGE under reducing conditions.

Concentration: See Product Insert.

Formulation: Preservative and carrier-free in 1X PBS, 0.2M L-Arginine, 0.3mM NaCl, pH 7.4. Filtered through 0.22 µm filter.



rCor a 1.0101

Note: The presence of Arginine prevents protein precipitation upon freeze thaw.

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

Expiration Date: See Product Insert.

Notes: (1) rCor a 1 has a C-terminal 6xHis-tag.
(2) Substituted Q for N (N126Q) at Glycosylation site 126
(3) Purified rCor a 1.0101 presents as multiple bands on SDS-PAGE
(4) Made in USA

An InBio® Product

For research and commercial use in vitro: not for human in vivo or therapeutic use

REFERENCES:

1. Breiteneder H et al. 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 et al. 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 et al. 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.