

SPECIFICATION SHEET

Product Name: Cor a 1
Catalog # CA01-A921H

Product Description: Recombinant *Corylus avellana* allergen Cor a 1 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.

Data for a Sample Lot:

Alternate Names : Major pollen allergen Cor a 1 isoforms 5, 6, 11 and 16, Allergen Cor a

Source : *Corylus avellana* (Hazelnut)

Accession Numbers : Genbank: [X70999.1](#)
 UniProt: [Q08407](#)

Host : *E. coli*

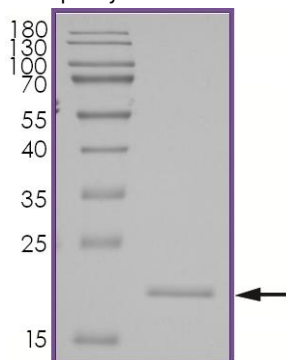
Formulation : Protein stored in 1x PBS, 5% sucrose, 5% trehalose solution

Molecular weight : Calculated: 18.8 kDa
 Observed: ~18 kDa

Concentration : 1.18 µg/µl

Purity : The purity was determined to be >90% by densitometry

Gel Image



References

- 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. doi: 10.1111/j.1432-1033.1993.tb17669.x. PMID: 7916686.