

## SPECIFICATION SHEET

**Product Name: Cor a 8**

**Catalog # CA08-A32H**

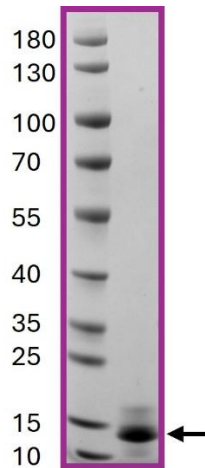
**Product Description:** Recombinant *Corylus avellana* allergen, Cor a 8, was expressed in *Nicotiana benthamiana* and purified by affinity and ion exchange chromatography using a His tag.

**Storage and Stability:** Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles aliquot diluted product into smaller quantities.

### Data for a Sample Lot:

<b>Alternate Names</b>	: Non-specific Lipid transfer protein
<b>Source</b>	: <i>Corylus avellana</i> (Hazelnut)
<b>Accession Numbers</b>	: Genbank: <a href="https://www.ncbi.nlm.nih.gov/nuccore/AF329829">AF329829</a> UniProt: <a href="https://www.uniprot.org/uniprot/Q9ATH2">Q9ATH2</a>
<b>Host</b>	: <i>N. benthamiana</i>
<b>Formulation</b>	: Protein stored in 1X PBS
<b>Molecular Weight</b>	: Calculated: 12.1 kDa Observed: ~ 13.5 kDa
<b>Purity</b>	: The purity was determined to be ≥ 90% by densitometry

### Gel Image



### References

1. Giannetti A., et al. Natural History of Hazelnut Allergy and Current Approach to Its Diagnosis and Treatment. *Children* 2023, 10, 585.
2. Pastorello, E.A., et al. The Severity and Frequency of Systemic Reactions to Hazelnut Are Significantly Higher in Hazelnut Allergic Patients Monosensitized to Cor a 8. *International Archives of Allergy and Immunology*. 2024;185(6):547-554.