

## SPECIFICATION SHEET

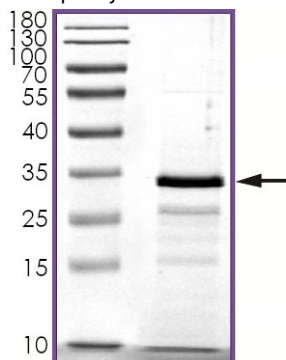
**Product Name: Cup a 1**
**Catalog # CA02-A32H**

**Product Description:** Recombinant *Hesperocyparis arizonica* allergen, Cup 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 diluted product into smaller quantities.

### Data for a Sample Lot:

**Allergen Name** : Cup a 1  
**Alternate Names** : Pectate lyase 1, Major pollen allergen Cup a 1  
**Source** : *Hesperocyparis arizonica* (Arizona cypress)  
**Accession Numbers** : Genbank: [AJ243570](#)  
 UniProt: [Q9SCG9](#)  
**Host** : *E. coli*  
**Formulation** : Protein stored in 1X PBS, 5% trehalose solution  
**Molecular weight** : Calculated: 38.7 kDa  
 Observed: ~34 kDa  
**Purity** : The purity was determined to be >80% by densitometry  
**Gel Image**



### References

1. Aceituno E, et al: Molecular cloning of major allergen from Cupressus arizonica pollen: Cup a 1. Clin Exp Allergy. Dec;30(12):1750-8, 2000.
2. Pico de Coaña Y, et al: A modified protocol for RNA isolation from high polysaccharide containing Cupressus arizonica pollen. Applications for RT-PCR and phage display library construction. Mol Biotechnol. Feb;44(2):127-32, 2010.