

SPECIFICATION SHEET

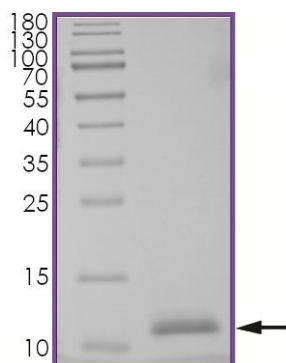
Product Name: Che a 3
Catalog # CH03-A921H

Product Description: Recombinant *Chenopodium album* allergen Che a 3 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	: Polcalcin Che a 3, Calcium-binding pollen allergen Che a 3
Source	: <i>Chenopodium album</i> (White goosefoot)
Accession Numbers	: Genbank: AY082338.1 UniProt: Q84V36
Host	: <i>E. coli</i>
Formulation	: Recombinant protein stored in 1x PBS solution
Molecular weight	: Calculated: 10.6 kDa Observed: ~11 kDa
Concentration	: 3.89 µg/µl
Purity	: The purity was determined to be >90% by densitometry
Gel Image	



References

1. Barderas R, Villalba M, Pascual CY, Batanero E, Rodríguez R. Profilin (Che a 2) and polcalcin (Che a 3) are relevant allergens of *Chenopodium album* pollen: isolation, amino acid sequences, and immunologic properties. *J Allergy Clin Immunol.* 2004 Jun;113(6):1192-8. doi: 10.1016/j.jaci.2003.12.587. PMID: 15208604.
2. Verdino P, Barderas R, Villalba M, Westritschnig K, Valenta R, Rodriguez R, Keller W. Three-dimensional structure of the cross-reactive pollen allergen Che a 3: visualizing cross-reactivity on the molecular surfaces of weed, grass, and tree pollen allergens. *J Immunol.* 2008 Feb 15;180(4):2313-21. doi: 10.4049/jimmunol.180.4.2313. PMID: 18250440.