



Product Data Sheet

---

**Recombinant purified Alt a1 Allergen** (Alternaria alternata , allergen 1)

**Cat#** ALTA15-R-100

**Size:** 100 ug

---

Protein name Major allergen Alt a 1 [Precursor]

**Description**

Alt a 1 is a lyophilized, recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods

**Protein accession#** EMBL U82633

**MW:** ~14,593 Dalton

**Purity:** > 99%

**Concn:** 1 mg/ml (lot sp concn specified on the vial)

**Quality control:**

Purity has been determined by SDS-PAGE and staining with Coomassie Brilliant Blue R-250. Alt a 1 Lot# 02 tested positive in an IgE-Immunoblot with a standardized pool of human Alt a 1-reactive sera

**Form and Storage**

The lyophilized product can be kept at room temperature for at least 2 weeks. However, we recommend the product to be stored at -20°C. Under these conditions the quality of the material will be maintained for several years. The stability at 4°C should at least be 6 months. Reconstituted protein can be stored at -20°C.

**Suggested Uses / Reconstitution**

If reconstituted with water or diluted buffer to a concentration of 1 mg/ml, the PO4 buffer concentration will be 2 mM (pH 7.4). Addition of 1-2 mM  $\beta$ -Mercaptoethanole is recommended.

If reconstituted to a concentration of 2mg/ml, the product is soluble to more than 95%

**Country of Origin:** USA

**MSDS:**

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

**References:** De Vouge M.W. (1996) *Int. Arch. Allergy Immunol.* 111:385-395(1996); Unger A.M (1996) Submitted (DEC-1996) to the EMBL/GenBank/DDBJ databases.

*This product is for in vitro research use only.*  
80605S