

Recombinant Alt a 1

Product Code: RP-AA1-1

Allergen: rAlt a 1 (*Alternaria alternata* allergen 1)

Lot No: **XXXX**

Source: *Pichia pastoris*

Mol. Wt: ~15kD

Purification: Purified from *Pichia pastoris* culture by HPLC gel filtration

Concentration: See product insert.

Formulation: Preservative-free and carrier-free in phosphate buffered saline, pH 7.4. Filtered through 0.22µm filter.

Storage: Store at -20°C. Avoid repeated freeze/thaw cycles.

Notes: 1) rAlt a 1 produced in *Pichia pastoris* has been observed as a dimer at ~30kD in the SDS-PAGE gel.



rAlt a 1

Allergens are provided for research and commercial use in vitro:
Not for human in vivo or therapeutic use.

REFERENCES:

1. Chruszcz M, Chapman MD, Osinski T, Solberg R, Demas M, Porebski PJ, Majorek KA, Pomés A, Minor W. *Alternaria alternata* allergen Alt a 1: A unique β -barrel protein dimer found exclusively in fungi. *J Allergy Clin Immunol.* 2012 Jul;130:241-7.
2. Vailes L, Sridhara S, Cromwell O, Weber B, Breitenbach M, Chapman M. Quantitation of the major fungal allergens, Alt a 1 and Asp f 1, in commercial allergenic products. *J Allergy Clin Immunol.* 2001;107:641-6.
3. Vailes LD, Perzanowski MS, Wheatley LM, Platts-Mills TA, Chapman MD. IgE and IgG antibody responses to recombinant Alt a 1 as a marker of sensitization to *Alternaria* in asthma and atopic dermatitis. *Clin Exp Allergy.* 2001;31:1891-5