



Recombinant Der f 1

Product Code : RP-DF1-1

Allergen: rDer f 1 (*Dermatophagoides farinae* allergen 1)

Lot No: **XXXXX**

Source: *Pichia pastoris*

Mol. Wt: ~36-40kD

Purification: Purified from *Pichia pastoris* culture by mAb affinity chromatography (See Panel).

Concentration: See Product Insert.

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

Storage: Store at -20°C

Notes: (1) rDer f 1 produced in *P. pastoris* with the pro-region attached.
(2) The pro-region must be removed by acid hydrolysis for the protein to exhibit protease activity under reducing conditions.
(3) rDer f 1 is glycosylated and has a higher MW than the natural allergen. The doublet is due to dimer formation.



rDer f 1

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

REFERENCES:

1. Best EA, Stedman KE, Bozic CM, Hunter SW, Vailes LD, Chapman MD, McCall CA, McDermott MJ. A recombinant group 1 house dust mite allergen. rDer f 1, with biological activities similar to those of the native allergen. *Prot Exp Pur* 2000; 20:462-471.
2. Chapman MD, Smith AM, Vailes LD, Arruda LK, Dhanaraj V, Pomés A. Recombinant allergens for diagnosis and therapy of allergic disease. *J Allergy Clin Immunol* 2000; 106:409-418.