

Recombinant Der p 2

Product Code: RP-DP2C-1

Allergen: rDer p 2.0103
(*Dermatophagoides pteronyssinus* allergen 2)

Lot No: xxxx

Source: *P. pastoris*

Mol. Wt: 14kD

Purification: Purified from *Pichia pastoris* culture supernatant by affinity chromatography. Purity on silver stained SDS-PAGE > 95%. (See Panel)



rDer p 2.0103

Concentration: See product insert

Formulation: Preservative-free and carrier-free in phosphate buffered saline, pH 7.4. Sterile filtered.

Storage: Store at -20°C

Notes: (1) rDer p 2.0103 is a Der p 2 isoform having 4 amino acid substitutions different from Der p 2 0101. It does react in the Group 2 mite ELISA. (2) Not tested for endotoxin..

For Research Use Only: Not for Diagnostic or Therapeutic Use

REFERENCES:

1. Heyman PW, Chapman MD, Fox J, Aalberse, RC, PlattsMills, TAE. Antigenic and structural analysis of the Group II allergens (Derp II and Der f II) from house dust mites (*Dermatophagoides* sp). *J Allergy Clin Immunology* 1989;83:1055-67.
2. Mueller GA, Smith AM, Williams DC Jr., Hakkaart GAJ, Aalberse RC, Chapman MD, Rule, GS, Benjamin DC. Expression and secondary structure determination by NMR methods of the major house dust mite allergen Der p 2. *J Biol Chem* 1997;272:26893-8.
3. Smith AM, Benjamin DC, Hozic N, Derewenda U, Smith WA, Thomas WR, Gafvelin G, van Hage-Hamsten M, Chapman MD. The molecular basis of antigenic cross-reactivity between the group 2 mite allergens. *J Allergy Clin Immunol* 2001;107:977-84.
4. Mueller GA, Smith AM, Chapman MD, Rule GS, Benjamin DC. Hydrogen exchange nuclear magnetic resonance spectroscopy mapping of antibody epitopes on the house dust mite allergen Der p 2. *J Biol Chem* 2001;276:9359-65.