



Recombinant Der p 2

Product Description:

- Allergen: rDer p 2.0101
(*Dermatophagoides pteronyssinus* allergen 2)
- Source: *E. coli*
- Mol. Wt: 14kD
- Purification: Purified from inclusion bodies using B-PER Buffer (Pierce). Solubilized rDer p 2 was refolded by dialysis into 20 mM Tris, 1mM EDTA, pH 8.5.
- Concentration: See package insert.
By Advanced Protein Assay.
- Formulation: 20 mM Tris, 150 mM NaCl, pH 8.5, sterile filtered.
- Storage: Store at -20°C
- Notes: (1) rDer p 2.0101 is suitable for T-cell or other in vitro studies, but does **not** react in the Group 2 mite ELISA . (2) Not tested for endotoxin.

For Research Use Only: Not for Diagnostic or Therapeutic Use

Reference:

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.