

## LoTox™ Natural Der p 2

**Product Code: LTN-DP2-1**

Allergen: nDer p 2 (*Dermatophagoides pteronyssinus* allergen 2)

Lot No: **xxxxx**

Source: *D.pteronyssinus* culture medium

Mol. Wt: 14 kD

Purification: From mite culture by multi-step chromatographic purification. Purity on silver stained SDS-PAGE >95%.

Concentration: 1.6 mg/ml, based on Advanced Protein Assay (Cytoskeleton Inc., Denver, CO)

Formulation: Preservative and carrier-free in sterile, endotoxin-free, phosphate buffered saline, pH 7.4

Storage: Store at -20°C

Notes: A LoTox™ product: Endotoxin = 0.03 EU/μg.



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**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. Trompette A, Divanovic S, Visintin A, Blanchard C, Hegde RS, Madan R, Thorne PS, Wills-Karp M, Gioannini TL, Weiss JP, Karp CL. Allergenicity resulting from functional mimicry of a Toll-like receptor complex protein. Nature 2008, Dec. 7.