LoTox™ Natural Ara h 2

Product Code:	**LTN-AH2-1**
Lot No:	**XXXXX**
Allergen:	nAra h 2 (*Arachis hypogaea* allergen 2)
Source:	Light roasted peanut flour (*Runner* cultivar)
Mol. Wt:	17-19 kD doublet
Purification:	From delipidated peanut extract by multi-step chromatography. Purity on silver stained SDS-PAGE >95%.
Concentration:	See product insert.
Formulation:	Preservative and carrier-free in endotoxin free phosphate buffered saline, pH 7.4. Sterile filtered.
Storage:	Store at -20ºC
Notes:	(1) Ara h 2 appears as a doublet [4]. (2) Avoid repeated Freeze/Thaw cycles. (3) A LoTox™product, Endotoxin < 0.01 EU/µg.

nAra h 2

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

References:

1) Burks AW, Williams LW, Connaughton C, Cockrell G, O'Brien TJ, Helm RM. Identification and characterization of a second major peanut allergen, Ara h II, with use of the sera of patients with atopic dermatitis and positive peanut challenge. J Allergy Clin Immunol 1992;90:962-9.

2) Sen M, Kopper R, Pons L, Abraham EC, Burks W, Bannon GA. Protein structure plays a critical role in peanut allergen stability and may determine immunodominant IgE-Binding epitopes. J Immunol 2002;169:882-7.

3) Flinterman AE, van Hoofen E, den Hartog Jager CF, Koppelman S, Pasmans SG, Hoekstra MO, Bruijnzeel-Koomen CA, Knulst AC, Knol EF. Children with peanut allergy recognize predominantly Ara h2 and Ara h 6, which remains stable over time. Clin Exp Allergy 2007;37:1221-8.

4) McDermott RA, Porterfield HS, El Mezayen R, Burks AW, Pons L, Schlichting DG, Solomon B, Redzic, JS, Harbeck RJ, Duncan MW, Hansen KC, Dreskin SC. Contribution of Ara h 2 to peanut-specific, immunoglobulin E-mediated, cell activation. Clin Exp Allergy 2007;37:752-763.