

LoTox™ Natural Ara h 6

Product Code:	LTN-AH6-1
Lot No:	XXXXX
Allergen:	nAra h 6 (<i>Arachis hypogaea</i> allergen 6)
Source:	Light roasted peanut flour (<i>Runner</i> cultivar)
Mol. Wt:	14.5 kD
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 -20°C
Notes:	(1) A LoTox™ product, Endotoxin < 0.02 EU/µg. (2) Avoid repeated freeze/thaw cycles.



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

References:

- 1) Kleber-Janke T, Cramer R, Appenzeller U, Schlaak M, Becker WM. Selective cloning of peanut allergens, including profilin and 2S albumins, by phage display technology. *Int Arch Allergy Immunol* 1999; 119: 265-74.
- 2) Suhr M, Wicklein D, Lepp U, Becker W. Isolation and characterization of natural Ara h 6: Evidence for a further peanut allergen with putative clinical relevance based on resistance to pepsin digestion and heat. *Mol Nutr Food Res* 2004; 48: 390-9.
- 3) Koppelman S, de Jong G, Laaper-Ertmann M, Peeters K, Knulst A, Hefle S, Knol E. Purification and immunoglobulin E-binding properties of peanut allergen Ara h 6: evidence for cross-reactivity with Ara h 2. *Clin Exp Allergy* 2005; 35: 490-7.
- 4) Porterfield HS, Murray KS, Schlichting DG, Chen X, Hansen KC, Duncan MW, Dreskin SC. Effector activity of peanut allergens: critical role for Ara h 2, Ara h 6, and their variants. *Clin Exp Allergy* 2009; 39: 1099-108.
- 5) Blanc F, Adel-Patient K, Drumare M, E, Wal J, Bernard H. Capacity of purified peanut allergens to induce degranulation in a functional in vitro assay: Ara h 2 and Ara h 6 are the most efficient elicitors. *Clin Exp Allergy* 2009; 39: 1277-85.
- 6) Flinterman AE, Pasmans S, den Hartog Jager CF, Hoekstra MO, Bruijnzeel-Koomen C, Knol EF, van Hoffen E. T cell responses to major peanut allergens in children with and without peanut allergy. *Clin Exp Allergy* 2010; 40: 590-7.