

Biotin Natural Ara h 2

Product Code:	BI-NAH2-1
Lot No:	XXXXX
Allergen:	Biotinylated nAra h 2 (<i>Arachis hypogaea</i> allergen 2)
Source:	Light roasted peanut flour (<i>Runner</i> cultivar)
Mol. Wt:	17-19 kD doublet
Purification:	From delipidated peanut extract by multi-step chromatography. Purity on SDS-PAGE >95%.
Concentration:	See product insert.
Labelling RatioL :	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) Ara h 2 appears as a doublet ⁽⁴⁾ . (2) Protect from exposure to light. (3) 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.

The Biotin Natural Ara h 2 is an InBio™ Product.

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.