

Recombinant Ara h 2

Product Code:	RP-AH2-1
Lot No:	XXXX
Allergen:	rAra h 2.0201 (<i>Arachis hypogaea</i> allergen 2). Glycosylation site N127 mutated (N127Q).
Source:	<i>Pichia pastoris</i>
Mol. Wt:	17-19 kD doublet
Purification:	Purified from <i>Pichia</i> culture supernatant using His-Trap chromatography. Purity >95% on silver stained SDS-PAGE.
Concentration:	See Product Insert for Lot
Formulation:	Preservative-free and carrier-free in phosphate buffered saline, 360mM NaCl, pH 7.4. Sterile filtered.
Storage:	Store at -20°C
Notes:	(1) rAra h 2 has a C-terminal 6xHis-tag. (2) rAra h 2 appears as a doublet. (3) Avoid repeated Freeze/Thaw cycles.



rAra h 2

For Research Use Only: Not for Diagnostic 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.