

Peach allergy

ImmunoCAP™ Specific IgE tests

ThermoFisher
SCIENTIFIC

ImmunoCAP™
Whole Allergen

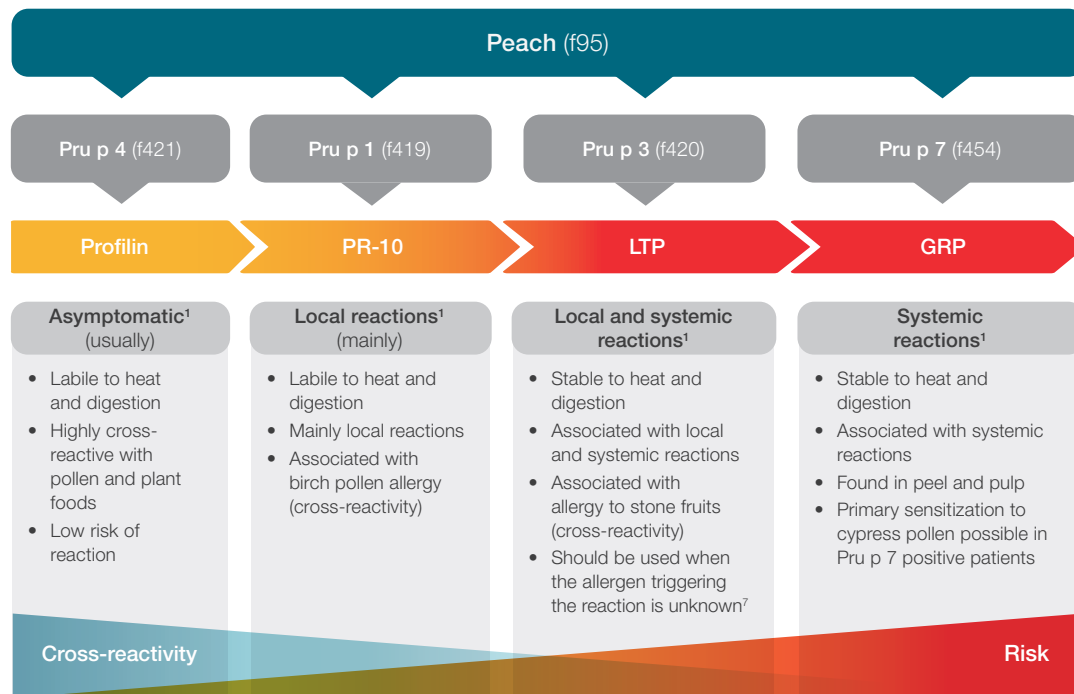
ImmunoCAP™
Allergen Components



Good to know!


























The peach allergen Pru p 7 (gibberellin-regulated protein) is a marker for severe fruit-induced allergy and might be a link between severe allergic reactions to fruits and *Cupressaceae* pollen allergy.¹⁻⁶

Testing for sIgE to Pru p 7 may be especially useful to fill the gap in diagnosing patients who are peach-allergic, but not sensitised to the other peach allergens Pru p 1, Pru p 3 and Pru p 4.¹⁻⁶



References: 1. Mills C, et al., editors. Plant Food Allergens: John Wiley and Sons Ltd., 2004. 2. Dramburg S, et al. *Pediatr Allergy Immunol* 2023;34(Suppl 28):e13854. 3. Kleine-Tebbe, J. and Jakob, T. 2017. Editors: Molecular Allergy Diagnostics. Springer International Publishing Switzerland. ISBN 978-3-319-42498-9 ISBN 978-3-319-42499-6 (eBook), DOI 10.1007/978-3-319-42499-6. 4. Ehrenberg AE, et al. *Clin Exp Allergy* 2020;50(8):964-972. 5. Klingebiel C, et al. *Clin Exp Allergy* 2019;49(4):526-536. 6. Scala E, et al. *Allergy* 2015;933-943. 7. Olivieri B, Skypala IJ. *Curr Allergy Asthma Rep* 2024;24(9):509-518.

Official product names: ImmunoCAP Allergen f95, Peach; ImmunoCAP Allergen f419, Allergen component rPru p 1 PR-10, Peach; ImmunoCAP Allergen f420, Allergen component rPru p 3 LTP, Peach; ImmunoCAP Allergen f421, Allergen component rPru p4 Profilin, Peach; ImmunoCAP Allergen f454, Allergen component rPru p 7 Peach; ImmunoCAP Allergen t215, Allergen component rBet v 1 PR-10, Birch; ImmunoCAP Allergen t23, Italian/Mediterranean/Funeral cypress; ImmunoCAP Allergen t222, Arizona cypress.

Peach (f95)	Profilin Pru p 4	PR-10 Pru p 1	LTP Pru p 3	GRP Pru p 7	Interpreting results*	Management considerations
					Risk of severe, systemic symptoms Primary sensitisation by cypress pollen possible in Pru p 7 positive patients ¹⁻⁶	<ul style="list-style-type: none"> High risk of systemic reactions, especially in areas with high cypress pollen exposure The patient may be sensitised and reacting to other GRPs contained in other fruits due to cross-reactivity. This can cause systemic symptoms to both cooked and uncooked fruit.⁵ Consider testing with cypress Whole Allergen (t23, t222) to confirm cypress sensitisation if Pru p 7 is positive.⁵
					Risk of severe, systemic symptoms Sensitisation to five or more LTPs increase the risk of severe reactions in Pru p 3 positive patients. ¹⁻⁶	<ul style="list-style-type: none"> The patient may be sensitised and reacting to nsLTPs from other plant foods/pollens due to cross-reactivity. This can cause systemic symptoms to both cooked and uncooked foods. Consider testing for other LTPs if Pru p3 is positive.
					Risk of local and, in rare cases, systemic reactions^{2,3,5}	<ul style="list-style-type: none"> Indication of cross-reactivity to PR-10-containing pollens and plant foods. In regions where birch is common, consider testing with Bet v 1 (PR-10; t215) to confirm primary birch sensitisation^{2,3}
					Cross-reaction, rarely associated with clinical symptoms^{2,3,5}	<ul style="list-style-type: none"> Sensitisation frequently via grass pollen. May cause reactions, even severe, in a minority of patients. Consider further investigations to identify the primary allergen.^{2,3}
					If all components of the algorithm are negative and f95 is positive, the patient could be sensitised to an untested allergen	

* Results should always be interpreted in the context of the clinical history

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