


## LoTox™ Recombinant Phl p 5a

**Product Code: LTR-PP5A-1**

Allergen:	rPhl p 5a ( <i>Phleum pratense</i> allergen 5a)	 rPhl p 5a
Lot No:	XXXXX	
Source:	<i>E. coli</i>	
Mol. Wt:	~28 kD	
Purification:	Multi-step chromatographic purification. <sup>3</sup> Purity > 95 % by silver stained SDS-PAGE	
Amount:	250 µg	
Mol. Data:	GenBank acc. no. AJ555152, 284 amino acids, Molar ext. coeff.: 15360; 1.0 A <sub>280</sub> = 1.84mg/ml	
Formulation:	Freeze dried in glass ampule	
Reconstitution:	Reconstitute using sterile, endotoxin free PBS, pH 7.4, at a concentration up to 1mg/ml	
Storage:	Store at -20°C, before and after reconstitution	
Notes:	(1) A LoTox™ product: Endotoxin <0.02 EU/µg (2) Avoid repeated Freeze/Thaw cycles.	

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

**REFERENCES:**

1. Niederberger V, Laffer S, Froschl R, Kraft D, et al. IgE antibodies to recombinant pollen allergens (Phl p 1, Phl p 2, Phl p 5, and Bet v 2) account for a high percentage of grass pollen-specific IgE. *J Allergy Clin Immunol* 1998;101:258-64.
2. Mari A. Skin test with a timothy grass (*Phleum pratense*) pollen extract vs. IgE to a timothy extract vs. IgE to rPhl p 1, rPhl p 2, nPhl p 4, rPhl p 5, rPhl p 6, rPhl p 7, rPhl p 11, and rPhl p 12: epidemiological and diagnostic data. *Clin Exp Allergy* 2003;33:43-51.
3. Jutel M, Jaeger L, Suck R, et al. Allergen-specific immunotherapy with recombinant grass pollen allergens. *J Allergy Clin Immunol* 2005;116:608-13.