

## Phl p 7.0101

### Allergen Specification

**Product Number: 52300**

**Description:**

*Phleum pratense* Phl p 7.0101.  
Recombinant allergen for research use  
or manufacturing only.

**Immunological function:**

Binds IgE-type human antibodies.

**Origin:**

Recombinant. Expressed in *E. coli*  
bacterial cells.

**Expression construct:**

Fusion protein construct containing full-  
length cDNA coding for Phl p 7.0101.  
The allergen is released from the  
fusion partner by controlled proteolytic  
separation.

**Biochemical tests:**

SDS-PAGE (purity > 80%); Western  
blot with patient sample.

**Calculated molecular weight:**

8,805 Dalton

**Calculated isoelectric point:**

pH 4.19

**Endotoxin content:**

Tested by LAL (Limulus Amoebocyte  
Lysate) chromogenic endotoxin assay.

**Immunological tests/Functionality:**

Immunodot analyses with  
positive/negative samples.

**Recommended buffer/storage and  
handling conditions:**

Recommendations for storage buffer:  
neutral to slightly alkaline pH and 20%  
glycerol as cryoprotective agent.  
Storage conditions: -70°C or below.  
Repeated freeze/thaw cycles should  
be avoided.

Remark: Bound Ca<sup>2+</sup> may be required  
for optimal IgE recognition of Phl p  
7.0101.

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