

## 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 human sera.

**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 test with positive/negative  
sera panels.

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

Recommendations for storage buffer:  
ionic strength around 200 mM, 1 mM  
CaCl<sub>2</sub>, 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.

Copyright 2017 DIARECT AG