

## Recombinant Bla g 4

**Product Code: RP-BG4-1**

Allergen: rBla g 4 (*Blattella germanica* allergen 4)

Lot No: **XXXXX**

Source: *Pichia pastoris*

Mol. Wt: 23kD

Purification: Purified from *Pichia pastoris* culture by phenyl sepharose chromatography. Purity on silver-stained SDS-PAGE >95%.



Concentration: See product insert.

Formulation: Preservative-free and carrier-free in phosphate buffered saline, pH 7.4. Filtered through 0.22mm filter.

Storage: Store at -20°C

Notes: (1) rBla g 4 is produced in *P. pastoris* as a glycosylated allergen with MW slightly higher than predicted for natural Bla g 4 (21kD).  
(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. Vailes LD, Kinter MT, Arruda LK, Chapman MD. High level expression of cockroach allergen, Bla g 4 in *Pichia pastoris*. J Allergy Clin Immunol 1998;101:274-80.
2. Arruda LK, Vailes LD, Hayden ML, Benjamin DC, Chapman MD. Molecular cloning of cockroach allergen, Bla g 4, identifies ligand binding proteins (or calycins) as a cause of IgE antibody responses. J Biol Chem 1995;270:31196-210.
3. Arruda LK, Vailes LD, Ferriani VPL, Santos ABR, Pomés A, Chapman MD. The role of cockroach allergens in asthma. J Allergy Clin Immunol 2001;107:419-28.