

## Natural Bla g 2

**Product Code: NA-BG2-1**

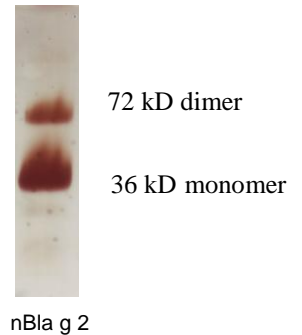
Allergen: Bla g 2 (*Blattella germanica* allergen 2)

Lot No: **XXXXX**

Source: *B. germanica* cockroach frass

Mol. Wt: ~36 kD

Purification: Purified from cockroach extract by monoclonal antibody affinity chromatography. Purity by silver stained SDS-PAGE > 90%. (See Panel).



Concentration: See product insert.

Formulation: Preservative-free and carrier-free in phosphate buffered saline pH 7.4. Filtered through 0.22 $\mu$  filter.

Storage: Store at -20°C

Notes: (1) Natural Bla g 2 purifies as a 36 kD monomer and 72 kD dimer.

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

### REFERENCES:

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3. Pomés A, Chapman MD, Vailes LD, Blundell TL, Venugopal D. Cockroach allergen Bla g 2: Structure function and implication for allergic sensitization. *Amer J Resp Crit Care Med* 2002;165:391-7.
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5. Gustchina A, Li M, Wünschmann S, Chapman MD, Pomés A, Wodawer A. Crystal structure of cockroach allergen Bla g 2, an unusual zinc binding aspartic protease with a novel mode of self-inhibition. *J Mol Biol* 2005;348:433-44.
6. Li Mi, Gusrchina A, Alexandratos J, Wlodawer A, Wünschmann S, Kepley CL, Chapman MD, Pomés A. Crystal Structure of a dimerized cockroach allergen Bla g 2 complexed with a monoclonal antibody. *JBC* 2008, in press.