

SPECIFICATION SHEET

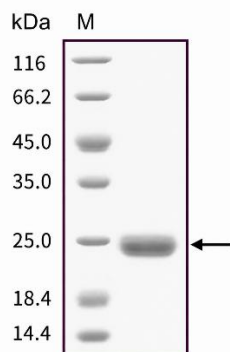
Product Name: Bla g 4
Catalog # BG04-A25H2

Product Description: Recombinant *Blattella* allergen Bla g 4 was expressed in *Baculovirus-infected Sf9 insect cells* and purified by affinity chromatography using a His tag.

Storage and Stability: Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles aliquot product into smaller quantities.

Alternative Names : Allergen Bla g IV, Calycin, lipocalin
Source : *Blattella germanica* (German cockroach)
Accession Numbers : Genbank: [AAA87851](#)
 UniProt: [P54962](#)
Host : *Baculovirus-infected Sf9 insect cells*
Formulation : Protein stored in 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4
Molecular Weight : Calculated: 21.0 kDa
 Observed: ~24.0 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Arruda LK, et al. Cloning of cockroach allergen, Bla g 4, identifies ligand binding proteins (or calycins) as a cause of IgE antibody responses. *J Biol Chem*. 1995 Dec 29;270(52):31196-201.
2. Tan YW, et al. Structures of Two Major Allergens, Bla g 4 and Per a 4, from Cockroaches and Their IgE Binding Epitopes. *Journal of Biological Chemistry*. 2009;284(5): 3148-3157