

SPECIFICATION SHEET

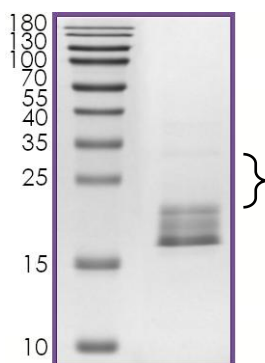
Product Name: Bla g 4
Catalog # BG04-A351H

Product Description: Recombinant *Blattella germanica* allergen Bla g 4 was expressed in *E. coli* 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.

Data for a Sample Lot:

Alternate Names	: Allergen Bla g 4, Allergen Bla g IV
Source	: <i>Blattella germanica</i> (German cockroach)
Accession Numbers	: Genbank: U40767 UniProt: P54962
Host	: <i>E. coli</i>
Formulation	: Recombinant protein stored in 1x PBS
Molecular weight	: Calculated: 21.4 kDa Observed: ~15-20 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. Dec 29;270(52):31196-201, 1995.
2. Tan YW, et al: Structures of two major allergens, Bla g 4 and Per a 4, from cockroaches and their IgE binding epitopes. J Biol Chem. Jan 30;284(5):3148-3157, 2009.