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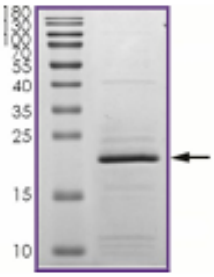
# SPECIFICATION SHEET

## Product Name: Per a 1 — Catalog # PA01-A951H

**Product Description:** Recombinant Periplaneta americana allergen Per a 1 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** | : Cr-PII, Per a 1.0101 |
| **Source** | : Periplaneta americana (American cockroach) |
| **Accession Numbers** | : Genbank: AF072222.1<br>UniProt: Q9TZR6 |
| **Host** | : E. coli |
| **Formulation** | : Recombinant protein stored in 1x PBS, 5% trehalose solution |
| **Molecular weight** | : Calculated: 27.3 kDa<br>Observed: ~20 kDa |
| **Purity** | : The purity was determined to be >80% by densitometry |
| **Gel Image** |  |

**References**

1. Sookrung N, et al: Specific B-cell Epitope of Per a 1: A Major Allergen of American Cockroach (Periplaneta
2.americana) and Anatomical Localization. Allergy Asthma Immunol Res. Jul;6(4):325-32, 2014.