

SPECIFICATION SHEET

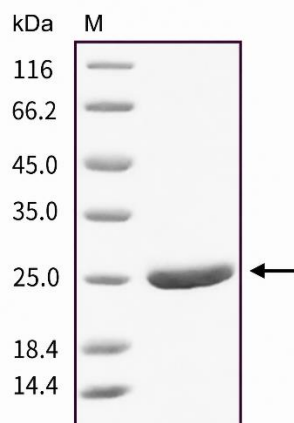
Product Name: Ves v 5
Catalog # VV05-A25H

Product Description: Recombinant *Vespula vulgaris* allergen Ves v 5 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.

Alternative Names	: Wasp venom antigen 5, Cysteine-rich venom protein (CRVP)
Source	: <i>Vespula vulgaris</i> (wasp)
Accession Numbers	: Genbank: AAA30333 UniProt: Q05110
Host	: <i>E. coli</i>
Formulation	: Protein stored in 20 mM Tris, 200 mM NaCl, 10% Glycerol, pH 8.0
Molecular Weight	: Calculated: 24.2 kDa Observed: ~25.0 kDa
Purity	: The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Binder M, et al. Individual hymenoptera venom compounds induce upregulation of the basophil activation marker ectonucleotide pyrophosphatase/phosphodiesterase 3 (CD203c) in sensitized patients. *Int Arch Allergy Immunol.* 2002 Oct;129(2):160-8.
2. Henriksen A, et al. Major venom allergen of yellow jackets, Ves v 5: structural characterization of a pathogenesis-related protein superfamily. *Proteins.* 2001 Dec 1;45(4):438-48.

Version: 1.0