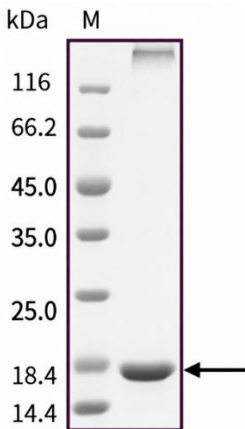


SPECIFICATION SHEET

Product Name: Gly m 5
Catalog # GM05-A22H

Product Description: Recombinant *Glycine max* allergen Gly m 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	: Alpha subunit of beta conglycinin, vicilin, 7S globulin
Source	: <i>Glycine max</i> (soybean)
Accession Numbers	: Genbank: BAA23360 UniProt: Q22120
Host	: <i>E. coli</i>
Formulation	: Protein stored in 20 mM Tris, 300 mM NaCl, 2 M Urea, 10% Glycerol, pH 7.5
Molecular Weight	: Calculated: 16.5 kDa Observed: ~17 kDa
Purity	: The purity was determined to be ≥ 90% by densitometry
Gel Image	

References

1. Zheng S., et al. Purification and IgE-binding properties of soybean β -conglycinin subunits. 2012. *Process Biochemistry*, 47:(12): 2531-2537
2. Curciarello R, et al. Targeting a cross-reactive Gly m 5 soy peptide as responsible for hypersensitivity reactions in a milk allergy mouse model. *PLoS One*. 2014 Jan 9;9(1):e82341.