

SPECIFICATION SHEET

Product Name: Tri a 36
Catalog # TA36-A22H

Product Description: Recombinant *Triticum aestivum* allergen Tri a 36 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 : Wheat low-molecular-weight glutenin

Source : *Triticum aestivum* (wheat)

Accession Numbers : Genbank: [AEH31546](#)

UniProt: [B2Y2Q7](#)

Host : *E. coli*

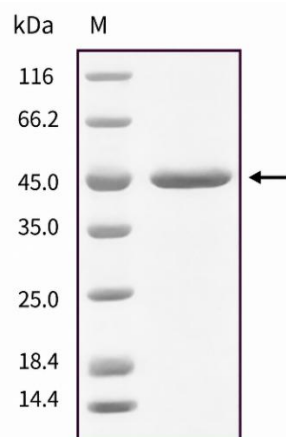
Formulation : Protein stored in 20 mM Tris, 300 mM NaCl, 2 M Urea, 200 mM Arg, 10% Glycerol, pH 8.0

Molecular Weight : Calculated: 46 kDa

Observed: ~45 kDa

Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Baar A, et al. Molecular and immunological characterization of Tri a 36, a low molecular weight glutenin, as a novel major wheat food allergen. *J Immunol.* 2012 Sep 15;189(6):3018-25.
2. Aoki Y, et al. Alpha/Beta Gliadin MM1 Is a Novel Antigen for Wheat-Dependent Exercise-Induced Anaphylaxis. *Int Arch Allergy Immunol.* 2023;184(10):1022-1035.

Version: 1.0