

Recombinant Triticum aestivum Tri a 19 Allergen, His tagged, Biotinylated

Cat. No. Tri a 19-062T **Lot. No.** (See product label)

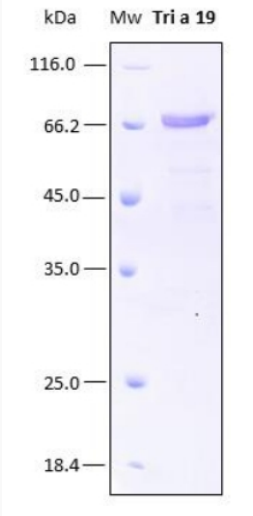
SPECIFICATION

Product Overview	Tri a 19 or omega-5 gliadin, the major allergen of wheat, has been prepared as a recombinant mature allergen fused to a his-tag in its N-terminus and monobiotinylated in vivo.
Species	Triticum aestivum
Source	E.coli
Description	Tri a 19, or omega-5 gliadin, the major allergen of wheat, has been prepared as a recombinant mature allergen fused to a his-tag.
Tag	N-His
Conjugation/Label	Biotin
Molecular Mass	Determined by SDS-PAGE, the protein band is between the molecular markers of 116 and 66.2 kDa, while relative molecular mass calculated from amino acid sequence is 68,614.82 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, PO
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and

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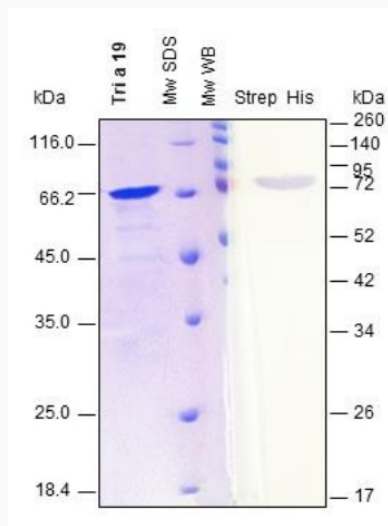
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	stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 6, 0.15 M NaCl, 0.13 M trehalose, 0.1% polyoxyethylene (10) tridecyl ether and 1 M urea
Concentration	1.09 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Matsuo, H., Kohno, K., and F. Morita. Molecular cloning, recombinant expression and IgE-binding epitope of -5 gliadin, a major allergen in wheat-dependent exerciseinduced anaphylaxis. 2005, FEBS Journal 272: 4431–4438 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Conjugation	Biotin
Purity	

SDS-PAGE analysis (15%) of 6 μ L of the recombinant allergen Tri a 19. Purity is > 95% as determined by gel electrophoresis.

WB



Western blot analysis in order to detect streptavidin /biotin reaction. The incubation was performed with HRP conjugated streptavidin (1:2500).