

Alt a 1

(*Alternaria alternata*, allergen 1)

The leader sequence is replaced by a methionine.

For research purpose only.

PRODUCT DESCRIPTION:

Access: EMBL U82633

Mw = 14,593 Dalton

Mol.Ext.Coeff.: 22,690; 1mg/ml $A_{278} = 1.56^*$

pI = 4.7

Lot#: 01

Amount: 1 mg

Quality: Purity approx. 99%.

General information:

BIOMAY Alt a 1 is a lyophilized, recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods.

Reconstitution:

If reconstituted with water or diluted buffer to a concentration of 1 mg/ml, the PO_4 buffer concentration will be 2 mM (pH 7.4). Addition of 1-2 mM β -Mercaptoethanole is recommended.

If reconstituted to a concentration of 2mg/ml, the product is soluble to more than 95%

Storage:

The lyophilized product can be kept at room temperature for at least 2 weeks. However, we recommend the product to be stored at $-20^\circ C$. Under these conditions the quality of the material will be maintained for several years. The stability at $4^\circ C$ should at least be 6 months. Reconstituted protein can be stored at $-20^\circ C$.

Quality control:

Purity has been determined by SDS-PAGE and staining with Coomassie Brilliant Blue R-250.

Alt a 1 Lot# 01 tested positive in an IgE-Immunoblot with a standardized pool of human Alt a 1-reactive sera.

* The mol.ext.coeff. was calculated from the DNA-derived protein sequence as described by Gill, S.C. and by Hippel, P.H. (1989), Analytical Biochemistry **182**, 319-326.