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Ana o2-MBP

(Allergen 2 from cashew nut; 11S globulin, fusion protein)

For research purpose only.

PRODUCT DESCRIPTION:

Lot#: 01

Mw = 96926 Dalton (including MBP)

Mol. Ext. Coeff.: 117981; 1mg/ml $A_{278}=1.22^*$

pI = 5.12

Purity > 90%.

Reacts with IgE from cashew allergic patients

Amount: 0.5 mg

General information:

Ana o 2-MBP is a recombinant fusion protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized.

Reconstitution:

The material can be reconstituted with distilled water (or equivalent). If reconstituted to 1 mg/ml the product will be soluble to at least 98% and the solution will contain 20 mM Tris-HCl, 200 mM NaCl, 1mM EDTA, and 2 mM maltose.

Storage recommendations:

Store at -20°C . Avoid repeated freezing/thawing.

Quality control:

Purity has been determined on SDS-PAGE gels. Ana o 2-MBP Lot# 01 tested positive in an IgE-Immunoblot with sera from cashew allergic patients.

* 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.