

Soybean P34

Description: The E.Coli derived recombinant protein contains Soybean P34 Protein full length, having an Mw of 30kDa. The protein is fused to a His tag at C-terminus.

Catalog #:ALPS-009

Purity: Protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.

For research use only.

Formulation:

50mM Tris-HCl, pH 8.0, 60mM NaCl, 10mM glutathione and 50% glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

The P34 protein is the main allergen for soybean sensitive humans. Soybean protein P34, a thiol protease belonging to the papain family, is a monomeric allergen having an N-terminal amino acid sequence and amino acid composition identical to that of the seed 34kDa protein. It is an insoluble glycoprotein having a pI of 4.5 and a calculated mass of 28.643 Dalton, representing 23% of total soybean protein. Upon glycosylation, the mass will be somewhat larger, resulting in a ~32kDa band in non-reduced SDS PAGE gels. It exhibits no enzymatic function due to an absence of the catalytic cysteine. P34 is stored in storage vacuoles of soybean cotyledons.

Storage:

Soybean P34 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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