
Product Data Sheet

Product Name: Soybean P34

Cat. No.: GP25126

Batch No.: 1

Product Data

Purity	>98%	Source	E.Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	50mM Tris-HCl, pH 8.0 and 60mM NaCl.		

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 2.03% 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.

Stability

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

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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