
Product Data Sheet

Product Name: Soybean P34 GST

Cat. No.: GP25127

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

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

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

Background

The E.Coli derived GST Tag recombinant protein, 36kDa, contains Soybean P34 Protein epitopes 214-261, 351-379 amino acids.

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

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