



Recombinant Bean P34 [GST] (DAG3598)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Recombinant Soy Bean P34 Protein, GST-tagged |
| Species | Bean |
| Purity | Protein is > 95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC |
| Conjugate | GST |
| Applications | Use as an antigen in ELISA and Western Blots. |
| Preservative | None |
| Storage | 2-8°C short term, -20°C long term |

BACKGROUND

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| 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 2–3% 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. |
| Keywords | P34 Protein; Recombinant P34 Protein; Recombinant P34; recombinant P34; recombinant P34 Protein; Soy Bean P34 Protein |