

Recombinant Soy Bean P34 Protein GST

Catalog No.	CSI15678A	Quantity:	100 µg
	CSI15678B		0.5 mg
	CSI15678C		1.0 mg

Description: 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.
The *E. Coli* derived recombinant protein contains Soybean P34 Protein epitopes 214-261, 351-379 amino acids. The protein is fused to a GST tag at N-terminus.

Source: *E. coli*

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

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

Method: Purified by proprietary chromatographic technique.

Applications: Use as an antigen in ELISA and Western Blots.

Storage & Stability: Protein is shipped at ambient temperature.
Upon arrival, Store at -20°C.
Stable for five years frozen. Stable for one month in solution at room temperature.

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