Recombinant Juglans regia Pathogenesis related protein 10 (Jug r 5)

Cat. No. Jug r 5-872W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Juglans regia Pathogenesis related protein 10 (Jug r 5) was expressed in E.coli and purified by multi-step chromatographic purification.
Species	Juglans regia (English walnut)
Source	E.coli
Description	Pathogenesis-related (PR) proteins are proteins produced in plants in the event of a pathogen attack. They are induced as part of systemic acquired resistance. Infections activate genes that produce PR proteins. Some of these proteins are antimicrobial, attacking molecules in the cell wall of a bacterium or fungus. Others may function as signals that spread "news" of the infection to nearby cells. Infections also stimulate the cross-linking of molecules in the cell wall and the deposition of lignin, responses that set up a local barricade that slows spread of the pathogen to other parts of the plant.
Form	Preservative-free and carrier-free in 0.2M L-Arginine, phosphate buffered saline, pH 7.4. Filtered through 0.22μm filter.
Molecular Mass	19 kDa
Purity	Purity >95% by silver stained SDS-PAGE.
Storage	(1) Store at -20ºC. (2) Avoid freeze thaw cycles.

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Warning	Allergens are provided for research and commercial use in vitro: not for human in vivo or therapeutic use.

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