

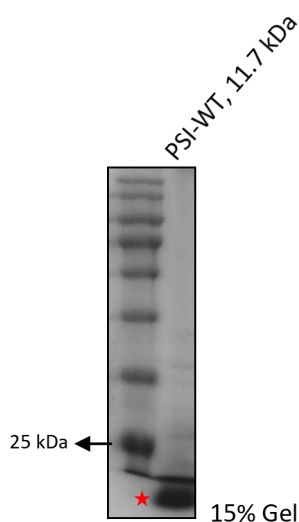
PSI 蛋白, *Solanum tuberosum* (truncated, aspartic protease)

种属:	Solanum tuberosum
表达系统:	prokaryotic expression system
标签:	not have
同用名:	PSI 蛋白
分子量:	11.7 KDa
纯度:	Greater than 95% as determined by Tris-Bis PAGE.
储存条件:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH7.4.
备注:	<p>Always centrifuge tubes before opening.Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in 20 mM PB, 150 mM NaCl, pH7.4.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
储存时间:	<p>Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt.</p> <p>Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.</p>
运输:	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

背景:

Plant AP genes, with the exception of nucellin, barley AP, and AP encoded by the *cdr-1* gene from *Arabidopsis*, have an extra region of approximately 100 amino acids known as “plant-specific insert”(PSI). This sequence has structural similarity to the precursor of mammalian saposins, lysosomal sphingolipid-activating proteins (SAPLIPs). Plant APs are found in either heterodimeric or monomeric forms. In heterodimeric plant APs, PSI is removed by proteolysis prior to activation . PSI is not a true saposin domain; it is the exchange (swap) of the N- and C-terminal portions of the saposin like domain. Hence, PSI is called a swaposin domain. In plants, many natural defense mechanisms include cellular membrane fusion as a way to resist infection by external pathogens. The plant-specific insert (PSI) from *Solanum tuberosum* can help reduce certain pathogen attack via membrane fusion.

展示数据 :



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