

# Active Native *Canavalia ensiformis* Concanavalin A Protein, Agarose bound

**Cat. No.** Lectin-1756C    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	This product is the Agarose bound Concanavalin A has sugar specificity against Mannose and Glucose.
<b>Species</b>	<i>Canavalia ensiformis</i>
<b>Source</b>	<i>Canavalia ensiformis</i>
<b>Description</b>	Con A recognizes $\alpha$ -linked mannose present as part of a core oligosaccharide in many serum and membrane glycoproteins. At neutral and alkaline pH, Con A exists as a tetramer of four identical subunits; below pH 5.6, Con A dissociates into active dimers of 52 kDa. Acetylation, succinylation, or other derivatizations can also produce stable forms with dimeric structures. (See succinylated Con A). Nicks in the sequence are often present in the purest preparations due to hydrolytic damage within the seeds.
<b>Bio-activity</b>	Binding Capacity: >4 mg ovalbumin/ml of gel
<b>Molecular Mass</b>	104 kDa
<b>Applications</b>	Glycobiology; Affinity Chromatography
<b>Usage</b>	<ol style="list-style-type: none"> <li>1, Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin.</li> <li>2, Recommended product for eluting glycoconjugates bound to this agarose-lectin:</li> </ol>

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 45-1 Ramsey Road, Shirley, NY 11967, USA



Glycoprotein Eluting Solution. Alternatively, 0.2 M  $\alpha$ -methyl mannoside/0.2 M  $\alpha$ -methyl glucoside mixture can be used.

3, After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.

**Storage** Refrigerate. DO NOT FREEZE.

**Concentration** 6.0 mg/ml of settled gel

## GENE INFORMATION

**Synonyms** Lectin; Con A

**UniProt ID** [P02866](#)

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