

## Active Native Griffonia Simplicifolia Lectin II Protein

**Cat. No.** Lectin-1790G    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | This product is the unconjugated Griffonia Simplicifolia Lectin II and has sugar specificity against N-Acetylglucosamine.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Griffonia Simplicifolia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Griffonia Simplicifolia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This lectin is a dimeric glycoprotein composed of two subunits of nearly identical size with each subunit having disulfide-linked chains and a binding site for $\alpha$ - or $\beta$ -linked N-acetylglucosamine residues. Unlike other N-acetylglucosamine specific lectins, increasing the number of N-acetylglucosamine residues beyond two does not improve affinity. GSL II has been reported to be unique in its ability to recognize exclusively $\alpha$ - or $\beta$ -linked N-acetylglucosamine residues on the nonreducing terminal of oligosaccharides. |
| <b>Bio-activity</b>     | Inhibiting/Eluting Sugar: Chitin Hydrolysate or 200 mM N-acetylglucosamine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 113 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>     | Glycobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reconstitution</b>   | Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM $\text{Ca}^{2+}$ is recommended. For preserving solutions stored at 4 centigrade, 0.8% sodium azide can be used.                                                                                                                                                                                                                                                                                                                      |

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## GENE INFORMATION

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|-----------------|------------------------|
| <b>Synonyms</b> | Lectin; GSL II; BSL II |
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| <b>UniProt ID</b> | <a href="#">Q41263</a> |
|-------------------|------------------------|

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