

Active Native Griffonia Simplicifolia Lectin II Protein

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

SPECIFICATION

Product Overview	This product is the unconjugated Griffonia Simplicifolia Lectin II and has sugar specificity against N-Acetylglucosamine.
Species	Griffonia Simplicifolia
Source	Griffonia Simplicifolia
Description	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 α - or β -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 α - or β -linked N-acetylglucosamine residues on the nonreducing terminal of oligosaccharides.
Bio-activity	Inhibiting/Eluting Sugar: Chitin Hydrolysate or 200 mM N-acetylglucosamine
Molecular Mass	113 kDa
Applications	Glycobiology
Reconstitution	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca^{2+} is recommended. For preserving solutions stored at 4 centigrade, 0.8% sodium azide can be used.

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GENE INFORMATION

Synonyms	Lectin; GSL II; BSL II
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UniProt ID	Q41263
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