

Active Native Datura Stramonium Lectin Protein

Cat. No. Lectin-1768D Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | This product is the unconjugated Datura Stramonium Lectin and has sugar specificity to [GlcNAc]1-3, N-Acetylglucosamine. |
| Species | Datura stramonium |
| Source | Datura stramonium |
| Description | DSL contains two chains of 40 kDa and 46 kDa joined by disulfide bonds. This lectin is free of a reported 32 kDa contaminant protein. The carbohydrate binding site recognizes (β -1,4) linked N-acetylglucosamine oligomers, preferring chitobiose or chitotriose over a single N-acetylglucosamine residue. This lectin binds well in the acidic pH range but its affinity decreases above pH 8.0. |
| Bio-activity | Inhibiting/Eluting Sugar: Chitin Hydrolysate |
| Molecular Mass | 86 Kda |
| Applications | Glycobiology, Mitogenic Stimulation |
| Usage | 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, 0.08% sodium azide can be used. Aggregation may occur with time if stored at concentrations greater than 2 mg/ml. |
| Storage | Refrigerate; aliquots of reconstituted lectin can be stored frozen. or preserved with |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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



0.08% sodium azide and stored at 4 centigrade

GENE INFORMATION

Synonyms

Lectin; DSL

UniProt ID

[A0A089ZWN7](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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