

CGL1, Mannose - specific lectin**BACKGROUND**

Mannose-specific lectin, named CGL1, was isolated from the oyster *Crassostrea gigas*.

Product name	CGL1
Source	Purified from <i>Crassostrea gigas</i> (Pacific oyster)
Molecular weight	15.5 kDa
Biological unit	Dimer
Concentration	4 mg / mL
Buffer	TBS
Purity	> 98%
Purification	Affinity purified by mannose-conjugated cellulose column
Volume	1 mg
Specificity	Strict specificity for the mannose monomer and for high mannose-type N-glycans
Requirement for divalent cation	No
Activity	$K_a = 2.0 \times 10^3 \text{ M}^{-1}$ for mannose monomer
Storage	-20°C
Other	

- References** Identification, Characterization, and X-ray Crystallographic Analysis of a Novel Type of Mannose-Specific Lectin CGL1 from the Pacific Oyster *Crassostrea gigas*, H. Unno, *et. al.*, Scientific Reports, 6, 29135 (2016)
PubMed : [27377186](#)

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Inspiration for Life Science

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