

# Chitin-binding lectin 1, Recombinant Protein

Cat *RP15269*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1*

**Species** *mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*  
Solanum tuberosum (Potato)

## Full Product Name

Recombinant Solanum tuberosum Chitin-binding lectin 1

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

NELSLPFHLP INETIGLEVF QGINNASPPS PSPLPYPQCG MKKGGGKCIK TGECCSIWGW CGTTNAYCSP  
GYCQKQCPGP YPEGRCGWQA NGKSCPTGTG QCCSNGGWCG TTSDYCASKN CQSQCKLPSP  
PPPPPPSPPP PPSPSPPPPP SPPPPPPSP PPPSPPPSP SPPPPASPP PPPPALYPYQ CGIKKGGGKC  
IKTGECCSIW GWCSTTAYC SPGYCQKQCP GPYPEGRCGW QANGKSCPTG TGHCCSNAGW  
CGTTSDYCAP VNCQAQCNTT TLTSPIKNRM RGIESFMLNV V

## Sequence Positions

23-323, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

33,554 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Chitin-binding lectin

## NCBI Accession #

Q9S8M0.2

## NCBI GI #

46396546

## NCBI Official Full Name

Chitin-binding lectin 1

## UniProt Protein Name

Chitin-binding lectin 1

## UniProt Synonym Protein Names

PL-I

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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**UniProt Primary Accession #**  
*Q9S8M0* *mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

## UniProt Comments

This protein might function as a defense against chitin containing pathogens. Binds to several branched or linear N-acetyllactosamine-containing glycosphingolipids and also to lactosylceramide with sphingosine and non-hydroxy fatty acids.

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