

Glucan endo-1,3-beta-glucosidase (SP41A), Recombinant Protein

Cat *RP17736*

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

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg
Species (*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Nicotiana tabacum (Common tobacco)

Full Product Name

Recombinant Nicotiana tabacum Glucan endo-1,3-beta-glucosidase (SP41A)

Product Gene Name

SP41A recombinant protein

Purity

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

Sequence

QSNIGVCY GK IANNLPSEQD VINLYKANGI RKMRIYN SDT NIFKSLNGSN IEILDV PNQ DLEALANSSI
ANGWVQDNIR SHFPYVKFKY ISIGNEVSPS NNGQYSQFLH HAMENVYNAL AAAGLQDKIK VTTATYSGLL
ANTYPPKDSI FREEFKSFIN PIIIEFLARNN LPLLANIYPY FGHIYNTVDV PLSYALFNQQ GTNSTGYQNL
FDALLDSIYF AVEKAGGPNV EIIVSESGWP SEGNSAATIE NAQTYRNLV NHVKGGAGTP KKPGRIVETY
LFAMFDENEK NGEVTEKHFG LFYPNRTAKY QLNFMYS DT

Sequence Positions

33-351, 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

39,186 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.

NCBI Accession

NP_001311736.1

NCBI GI

1027852740

NCBI GenBank Nucleotide

NM_001324807.1

NCBI GeneID

107763655

NCBI Official Full Name

glucan endo-1,3-beta-glucosidase

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI Official Symbol
LOC107763655

NCBI Official Synonym Symbols

Sp41a

NCBI Protein Information

glucan endo-1,3-beta-glucosidase

UniProt Gene Name

SP41A

UniProt Synonym Gene Names

(1->3)-beta-glucanase

UniProt Protein Name

Glucan endo-1,3-beta-glucosidase

UniProt Synonym Protein Names

(1->3)-beta-glucan endohydrolase; (1->3)-beta-glucanase; Beta-1,3-endoglucanase

UniProt Primary Accession

P23432

UniProt Related Accession

P23432

UniProt Comments

Implicated in the defense of plants against pathogens.

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