

Glucan endo-1,3-beta-glucosidase, basic vacuolar isoform ((1->3)-beta-glucanase), Recombinant Protein

Cat *RP17198*

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*)

Species^{Cell}

Nicotiana tabacum (Common tobacco)

Full Product Name

Recombinant *Nicotiana tabacum* Glucan endo-1,3-beta-glucosidase, basic vacuolar isoform

Product Gene Name

(1->3)-beta-glucanase recombinant protein

Purity

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

Sequence

QSIGVCYGML GNNLPNHWEV IQLYKSRNIG RLRLYDPNHG ALQALKGSNI EVMLGLPNSD VKHIASGMEH
ARWWWQKNVK DFWPDKIKY IAVGNEISPV TGTSYLTSFL TPAMVNIYKA IGEAGLGNNI KVSTSVDMTL
IGNSYPPSQG SFRNDARWFT DPIVGFLRDT RAPLLVNIYP YFSYSGNPGQ ISLPYSLFTA PNVVVQDGSR
QYRNLFDA ML DSVYAALERS GGASVGIVVS ESGWPSAGAF GATYDNAATY LRNLIQHAKE GSPRKPGPIE
TYIFAMFDEN NKNPELEKHF GLFSPNKQPK YNINFG

Sequence Positions

34-349, 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

40,510 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

Glucan endo-1,3-beta-glucosidase

NCBI Accession

P15797.2

NCBI GI

544201

NCBI Official Full Name

Glucan endo-1,3-beta-glucosidase, basic vacuolar isoform

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Gene Name

(1->3)-beta-glucanase

UniProt Synonym Gene Names

(1->3)-beta-glucanase

UniProt Protein Name

Glucan endo-1,3-beta-glucosidase, basic vacuolar isoform

UniProt Synonym Protein Names

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

UniProt Primary Accession

P15797

UniProt Comments

Implicated in the defense of plants against pathogens.

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