

Glucan endo-1,3-beta-glucosidase, basic isoform 1 (GLUB1), Recombinant Protein

Cat RP15830

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 Solanum tuberosum (Potato)

Full Product Name

Recombinant Solanum tuberosum Glucan endo-1,3-beta-glucosidase, basic isoform 1 (GLUB1)

Product Gene Name

GLUB1 recombinant protein

Purity

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

Sequence

LGVCYGMMGN NLPSESEVIQ LYKSRNIGRL RLYDPNHGAL NALRGSNIEV ILGLPNVDVK HIASGMEHAR
WWWQKNVKDF WPDVKIKYIA VGNEISPVTG TSSLTFSQVP ALVNIYKAVG EAGLGNDIKV STSVDMTLIG
NSYPPSQGSF RNDVRWFTDP IVGFLRDTRA PLLVNIYPYF SYSGNPGQIS LPYALFTAPN AVVQDGSRQY
RNLFDAMLDS VYAAMERTGG GSVGIVVSES GWPSAGAFGA TQDNAATYLR NLIQHAKEGS PRKPGPIETY
IFAMFDENNK NPELEKHFGF LSPNKQPKYN LNFG

Sequence Positions

1-314, 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

37,022 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

P52400.1

NCBI GI

1706543

NCBI Official Full Name

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

UniProt Gene Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Glucan endo-1,3-beta-glucosidase, basic isoform 1 (GLUB1), Recombinant Protein

Cat *RP15830*

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

GLUB1 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)
UniProt Synonym Gene Names
(1->3)-beta-glucanase

UniProt Protein Name

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

UniProt Synonym Protein Names

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

UniProt Primary Accession

P52400

UniProt Comments

Is thought to be an important plant defense-related product against fungal pathogens.

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