

Beta-glucosidase 7 (BGLU7), Recombinant Protein

Cat RP12607

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)/ 0.1 mg (Mammalian-Cell)/ 1
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Beta-glucosidase 7 (BGLU7)

Product Gene Name

BGLU7 recombinant protein

Product Synonym Gene Name

BGLU7

Purity

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

Sequence

AAVPKPNWLG GLSRAAFPGR FVFGTATSAY QVEGMAASGG RGPSIWDAFA HTPGNVAGNQ NGDVATDQYH
RYKEDVNLMK SLNFDAYRFS ISWSRIFPDG EGRVNQEGVA YYNNLINYLL QKGITPYVNL YHYDLPLALE
KKYGGWLNK MADLFTEYAD FCFKTFGNRV KHWFTFNEPR IVALLGYDQG TNPPKRCTKC AAGGNSATEP
YIVAHNLLS HAAAVARYRT KYQAAQQGKV GIVLDFNWYE ALSNSTEDQA AAQRARDFHI GWYLDPLING
HYPQIMQDLV KDRLPKFTPE QARLVKGSAD YIGINQYAS YMKGQQLMQL TPTSYSADWQ VTYVFAKNGK
PIGPQANSNW LYIVPWGMYG CVNYIKQKYG NPTVVITENG MDQPANLSRD QYLRDTRRVH FYRSYLTQLK
KAIDEGANVA GYFAWSLLDN FEWLSGYTSK FGIVYVDFNT LERHPKASAY WFRDMLKH

Sequence Positions

27-504, 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

56,872 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

Beta-glucosidase

NCBI Accession

XP_015630897.1

NCBI GI

1002253323

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1

mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

XM_015775491.1

NCBI GeneID

4333841

NCBI Official Full Name

beta-glucosidase 7

NCBI Official Symbol

LOC4333841

NCBI Official Synonym Symbols

BGLU1; BGLU7; Os3bglu7

NCBI Protein Information

beta-glucosidase 7

UniProt Gene Name

BGLU7

UniProt Synonym Gene Names

; Os3bglu7

UniProt Protein Name

Beta-glucosidase 7

UniProt Primary Accession

Q75I93

UniProt Secondary Accession

Q10EB0; Q10EB1; Q10EB2; Q42975; Q75I92

UniProt Related Accession

Q75I93

UniProt Comments

Hydrolyzes p-nitrophenyl beta-D-glucoside, p-nitrophenyl beta-D-mannoside, p-nitrophenyl beta-D-galactoside, p-nitrophenyl beta-D-xyloside, p-nitrophenyl beta-D-fucoside, p-nitrophenyl beta-L-arabinoside, oligosaccharides, pyridoxine beta-D-glucoside and the cyanogenic glucosides amygdalin, prunasin and dhurrin. Possesses pyridoxine transglucosylation activity.

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