Expansin-B15 (EXPB15), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP13421*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Expansin-B15 (EXPB15)

Product Gene Name
EXPB15 recombinant protein

Product Synonym Gene Name
EXPB15

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

Sequence
IEFHRKLSSW SNGGATWYGA ANGAGSDGGA CGYQGAVFQA PFSSMIAAGS PSIYKSGLGC GSCYQVKCTG NSACSGNPVT VVLTDECPGG PCLSEPVHFD LSGTAFGAMA NPGQADQLRA AGVLQIQYNR VPCNWGGVKL TFVVDVGSNP NYFAVLVKYE NGDGDLSGVE LMQTGAGAAW TQMQQSWGAV WKLNAGSALQ APFSIRLTSS SGKTLVASNV IPSGWKPGMS YISTVNF

Sequence Positions
28-264, 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
27,366 Da

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

Protein Family
Expansin

NCBI Accession
XP_015634512.1

NCBI GI
1002260374

NCBI GenBank Nucleotide
XM_015779026.1

NCBI GeneID

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4336601

NCBI Official Full Name
expansin-B15

NCBI Official Symbol
LOC4336601

NCBI Official Synonym Symbols
EXPB15; OsEXPB15

NCBI Protein Information
expansin-B15

UniProt Gene Name
EXPB15

UniProt Protein Name
Expansin-B15

UniProt Synonym Protein Names
Beta-expansin-15; OsEXPB15; OsaEXPb1.16

UniProt Primary Accession
Q7XT40

UniProt Secondary Accession
Q0JB72; Q8LLM1; A3AW74

UniProt Related Accession
Q7XT40

UniProt Comments
May cause loosening and extension of plant cell walls by disrupting non-covalent bonding between cellulose microfibrils and matrix glucans. No enzymatic activity has been found. May be required for rapid internodal elongation in deepwater rice during submergence .

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