Expansin-B2 (EXPB2), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP12561*

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-B2 (EXPB2)

Product Gene Name
EXPB2 recombinant protein

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

Sequence
VVYTNDWLPA KATWYGQPNG AGPDDNGGAC GFKNTNQYPF MSMTSCGNEP LFQDGKGCGA CYQIRCTNNP SCSGQPRTVI ITDMNYYPVA RYHFDLSGTA FGAMARPGLN DQLRHAGIID IQFRRVPCYH RGLYVNFHVE AGSNPVYLAV LVEFANKDGT VVQLDVMESL PSGKPTRVWT PMRRSWGSIW RLDANHRLQG PFSLRMVSES GQTVIAHQVI PANWRANTNY GSKVQFR

Sequence Positions
25-261, 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
28,686 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_015614021.1

NCBI GI
1002301172

NCBI GenBank Nucleotide
XM_015758535.1

NCBI GeneID
4349348

NCBI Official Full Name

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expansin-B2

NCBI Official Symbol
LOC4349348

NCBI Official Synonym Symbols
EXPB2; OsEXPB2; OsaEXPb1.9

NCBI Protein Information
expansin-B2

UniProt Gene Name
EXPB2

UniProt Protein Name
Expansin-B2

UniProt Synonym Protein Names
Beta-expansin-2; OsEXPB2; OsaEXPb1.9

UniProt Primary Accession
O24230

UniProt Secondary Accession
Q7XCA6; Q9AV20; A3C775

UniProt Related Accession
O24230

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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