

Expansin-B16 (EXPB16), Recombinant Protein

Cat *RP13448*

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

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

Full Product Name

Recombinant Oryza sativa subsp. japonica Expansin-B16 (EXPB16)

Product Gene Name

EXPB16 recombinant protein

Product Synonym Gene Name

EXPB16

Purity

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

Sequence

AFVFDSGEAG AAHRVVDPEW HPATATWYGS ADGDGSDGGA CGYGTLVDVV PMKTRVGAVS
PVLFKGEGEC GACYKVRCLD ASICSRRRAVT VIVTDECPGG VCAFGTRTHFD LSGAAFARLA VAGHGGQLQN
RGEISVVYRR TACKYGGKNI AFHVNEGSTT FWLSLLVEFE DGDGDIGSMQ LKQANSAQWQ DMKHIWGATW
SLTPGPLVGP FSVRLTTLTT RQTLAQDVI PKNWTPKATY TSRLNFA

Sequence Positions

26-272, 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

28,841 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

Expansin

NCBI Accession

XP_015624223.1

NCBI GI

1002239957

NCBI GenBank Nucleotide

XM_015768737.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

9267660 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

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

Cell)
expansin-B16

NCBI Official Full Name

NCBI Official Symbol

LOC9267660

NCBI Official Synonym Symbols

EXPB16; OsEXPB16

NCBI Protein Information

expansin-B16

UniProt Gene Name

EXPB16

UniProt Protein Name

Expansin-B16

UniProt Synonym Protein Names

Beta-expansin-16; OsEXPB16; OsaEXPb1.14

UniProt Primary Accession

Q0DZ85

UniProt Secondary Accession

Q6H5U4

UniProt Related Accession

Q0DZ85

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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