

Expansin-B17 (EXPB17), Recombinant Protein

Cat *RP13461*

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)/ 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 *Oryza sativa* subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Expansin-B17 (EXPB17)

Product Gene Name

EXPB17 recombinant protein

Product Synonym Gene Name

EXPB17

Purity

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

Sequence

SFLFDGGKSK SAAAAAAMD EWRPATATWY GDAEGDGSTG GACGYGSLVD VVPMKARVGS VSPVLFKDGE
GCGACYKVKC LDHGICSRRA VTVIVTDECP GGLCAFGRTD FDLGGAFFSR MAVAGAGGHL RDRGQLSVVY
RRTACKYGGK NIAFRVNEGS TNFWLSLLVE FEDGQGDIGS MQIKQANSVE WLDMKHVGWA TWCLVRGPLV
GPFSVRLTTL SAQKALTARD VIPRNWKPTA TYTSRLNFEA AL

Sequence Positions

27-278, 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

29,529 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_015634509.1

NCBI GI

1002260368

NCBI GenBank Nucleotide

XM_015779023.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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4336479 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg

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

Cell)
expansin-B17

NCBI Official Full Name

NCBI Official Symbol

LOC4336479

NCBI Official Synonym Symbols

EXPB17; OsEXPB17

NCBI Protein Information

expansin-B17

UniProt Gene Name

EXPB17

UniProt Protein Name

Expansin-B17

UniProt Synonym Protein Names

Beta-expansin-17; OsEXPB17; OsaEXPb1.13

UniProt Primary Accession

Q7X6J9

UniProt Secondary Accession

Q8LLL9

UniProt Related Accession

Q7X6J9

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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