

Putative expansin-A30 (EXPA30), Recombinant Protein

Cat *RP13415*

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 Putative expansin-A30 (EXPA30)

Product Gene Name

EXPA30 recombinant protein

Product Synonym Gene Name

EXPA30

Purity

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

Sequence

ATTVDAKFRA MQWTPAHATF YGDETAETM GGACGYGNLY ASGYGTDATA LSTTLFKDGY GCGTCYQMRC
VGTASCYRGS PAITVTATNL CPPNWAEDPD RGGGGWCNPP RAHFDLSKPA FMRMADWRAG IVPVMYRRVP
CARAGGLRFA LQGNPYWLLA YVMNVAGAGD VGDMWVKAGG GGGWVRMSHN WGASYQAFAQ
LGGQALSFKV TSYTTGQTL AAGVTPASWC FGLTYQARVN FS

Sequence Positions

25-266, 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

27,931 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

Putative expansin

NCBI Accession

XP_015614556.1

NCBI GI

1002302338

NCBI GenBank Nucleotide

XM_015759070.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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107277540 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

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

Cell)
putative expansin-A30

NCBI Official Full Name

NCBI Official Symbol

LOC107277540

NCBI Official Synonym Symbols

EXP30; EXPA30; OsEXP30; OsEXPA30

NCBI Protein Information

putative expansin-A30

UniProt Gene Name

EXPA30

UniProt Synonym Gene Names

EXP30

UniProt Protein Name

Putative expansin-A30

UniProt Synonym Protein Names

Alpha-expansin-30; OsEXP30; OsEXPA30; OsaEXPa1.32

UniProt Primary Accession

Q8W2X8

UniProt Secondary Accession

Q7XCN4; A3C6U4

UniProt Related Accession

Q8W2X8

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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