Expansin-A13 (EXPA13) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Expansin-A13 (EXPA13), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica Expansin-A13 (EXPA13)
Product Gene Name	EXPA13 recombinant protein
Product Synonym Gene Name	EXPA13
Sequence	AGGVGALEPS GWVRAHATFY GGADASGTMG GACGYGNLYA QGYGTRTAAL STALFNDGLA CGQCYKLVCD RKTDRTWCKP GVSVTITATN FCPPNWDLPS DSGGWCNPPR PHFDMAQPAW EKIGIYRGGI IPVIYQRVPC MKKGGVRFTI NGHDYFQLVL LTNVGAAGSI KAMDVKGSKS PDWMAMAHNW GAQWHSLAYL TGQGLSFRVT ITDGQTLVFP NVVRPGWRFG QTFASNIQFK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	27,971 Da
Sequence Positions	23-262, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4PR52
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EXPA13 recombinant protein	MBS1321699 is a recombinant protein targeting EXPA13. Also known as Recombinant Oryza sativa subsp. japonica Expansin-A13 (EXPA13). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of EXPA13 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EXPA13. It may not necessarily be applicable to this product.

NCBI GI #	1002242609
NCBI GeneID	4328966
NCBI Accession #	XP_015625531.1
UniProt Primary Accession #	Q4PR52
UniProt Secondary Accession #	Q0E264; Q6ERV0; Q946I8

UniProt Related Accession #	Q4PR52
GenBank Nucleotide #	XM_015770045.1
NCBI Official Full Name	expansin-A13
NCBI Official Symbol	LOC4328966
NCBI Official Synonym Symbols	EXP13; EXPA13; OsEXP13; OsEXPA13; P0693E08.4
UniProt Protein Name	Expansin-A13
UniProt Synonym Protein Names	Alpha-expansin-13; OsEXP13; OsEXPA13; OsaEXPa1.13
Protein Family	Expansin
UniProt Gene Name	EXPA13
UniProt Synonym Gene Names	EXP13
NCBI Protein Information	expansin-A13
UniProt Comments for EXPA13	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 ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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