

IDENTIFICATION

Species: *Oryza sativa*

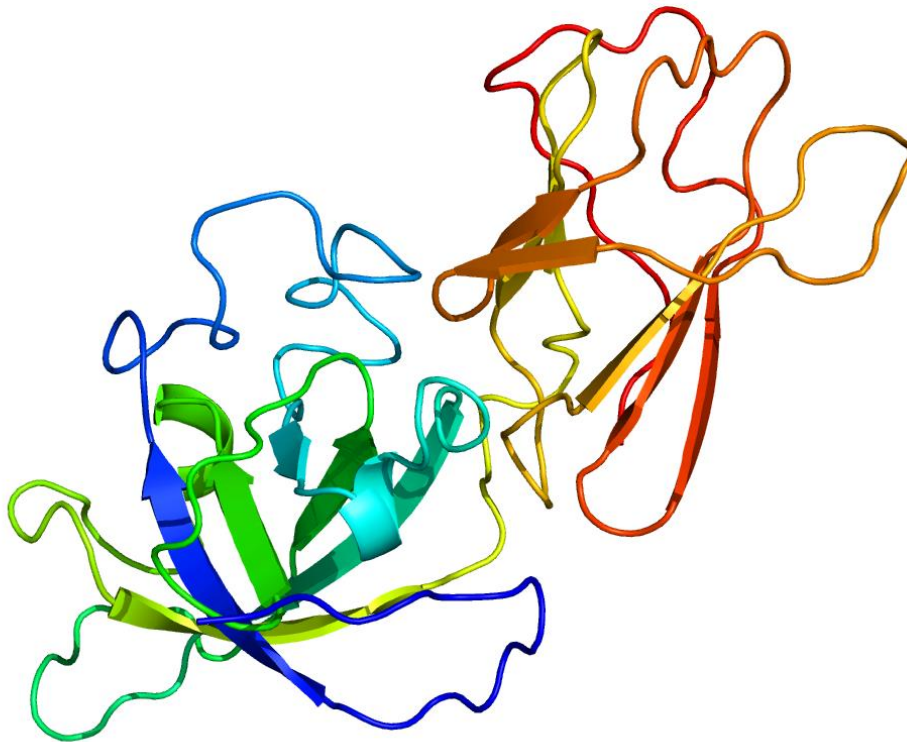
Locus: LOC_Os02g16730

Gene Model: LOC_Os02g16730.1

Description: OstEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

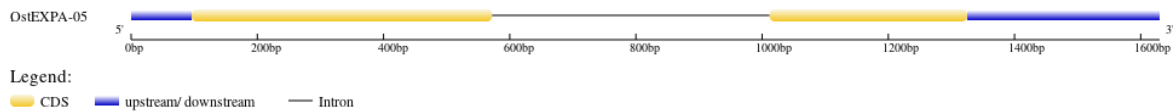
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

KEGG: <https://www.genome.jp/entry/T01015>

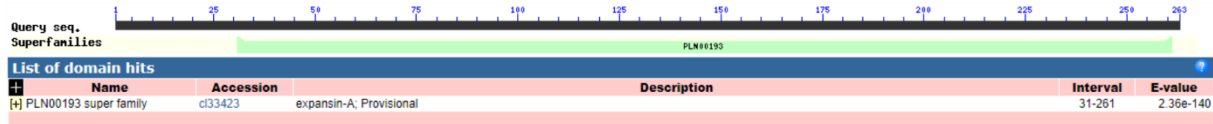
EXTERNAL RESOURCES

<http://rice.uga.edu/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-05

MAGVARMLAAVVCAIMPAAAMAAGGVGALEPSGWVRAHATFYGGADASGTMGG
ACGYGNLYAQGYGTRTAALSTALFNDGLACGQCYKLVCDRKTDRTWCKPGVSVTI
TATNFCPPNWDLPSSDGGWCNPPRPHFDMAQPAWEKIGIYRGGIIPVIYQRPCKMK
GGVRFTHNGHDYFQLVLLTNVGAAGSIKAMDVKGSKSPDWMAMAHNWGAQWHSL
AYLTGQGLSFRVTITDGQTLVFPNVVRPGWRFQTFASNIQFK*

CDS (coding sequence)

>OstEXPA-05

ATGGCGGGCGTTCGCTCGCATGCTCGCGGCCGTGGTCTGCGCGATCATGCCGGCGG
CGGCGATGGCGGCCGGCGGCGTGGGCGCGCTGGAGCCGAGCGGGTGGGTGAGGG
CGCACGCGACGTTCTACGGCGGCGCGGACGCGTCGGGAACCATGGGCGGGGCGT
GCGGGTACGGCAACCTGTACGCGCAGGGGTACGGCACGAGGACGGCGGGCGCTCA
GCACGGCGCTGTTCAACGACGGCCTCGCCTGCGGGCAGTGCTACAAGCTCGTCTG
CGACCGCAAGACGGACCGGACGTGGTGCAAGCCGGGCGTCTCCGTCACCATCAC
CGCCACCAACTTCTGCCCCGCCAACTGGGACCTCCCCAGCGACAGCGGCGGCTGG
TGCAACCCGCGCGCCCCACTTCGACATGGCCCAGCCCAGCCTGGGAGAAGATCG
GCATCTACCGCGGCGGCATCATCCCCGTCATCTACCAAAGGGTTCCTTGCATGAA
GAAGGGCGGGGTGCGGTTCAACATCAACGGGCACGACTACTTCCAGCTGGTGCTG
CTGACCAACGTCGGGGCGGCGGCTCGATCAAGGCCATGGACGTGAAGGGCTCC
AAGTCGCCGACTGGATGGCCATGGCGCACAACTGGGGCGCCAGTGGCACTCG
CTGGCCTACCTACCGGCCAGGGCCTCTCCTTCCGGGTACCATCACCGATGGCC
AGACGCTCGTCTTCCCCAACGTCGTTCCGCCCGGATGGAGGTTCCGGCCAAACGTT
CGCGAGCAACATACAGTTCAAGTGA

Nucleotide

>OstEXPA-05

GTTTACCATTCTCGAACACCATCATCCACAAACACACAAGTACATCTCGATCG
AAGCTAGCTAGACTAGAGCACGCACACGTACGATCTCGTCCATGGCGGGCGTCCG
TCGCATGCTCGCGGCCGTGGTCTGCGCGATCATGCCGGCGGCGGCGATGGCGGCC
GGCGGCGTGGGCGCGCTGGAGCCGAGCGGGTGGGTGAGGGGCGCACGCGACGTT
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CTGTACGCGCAGGGGTACGGCACGAGGACGGCGGGCGCTCAGCACGGCGCTGTTCAACGACGGCCTCGCCTGCGGGCAGTGCTACAAGCTCGTCTGCGACCGCAAGACG
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CCTGGCTGCCCCATGCCTGATGCGGCCTCAAATTTGTACTACCACCGTAAAAATC
ACTTTATTTTTGATGTTTTTGTGTAGGGTTCCTTGCATGAAGAAGGGCGGGGTGCG
GTTCAACATCAACGGGCACGACTACTTCCAGCTGGTGCTGCTGACCAACGTCGGG
GCGGCCGGCTCGATCAAGGCCATGGACGTGAAGGGCTCCAAGTCGCCGGACTGG
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GCCAGGGCCTCTCCTTCCGGGTCACCATCACCGATGGCCAGACGCTCGTCTTCCC
CAACGTCGTTTCGCCCCGGATGGAGGTTTCGGCCAAACGTTTCGCGAGCAACATACAG
TTCAAGTGAGCCACCTGATCGATCGAAGCTTCTATATAGGCGCAGCTAGCATCGT
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ATCACGCGATTTGAGTAAACTCCAAATTTGGTGTTT