

IDENTIFICATION

Species: *Oryza sativa*

Locus: LOC_Os10g40720

Gene Model: LOC_Os10g40720.1

Description: OstEXPB-20

Family: Beta Expansin

3D structure:



GENOME DATABASES

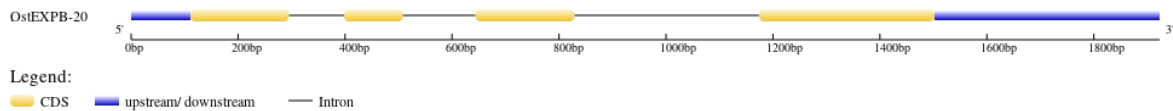
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

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

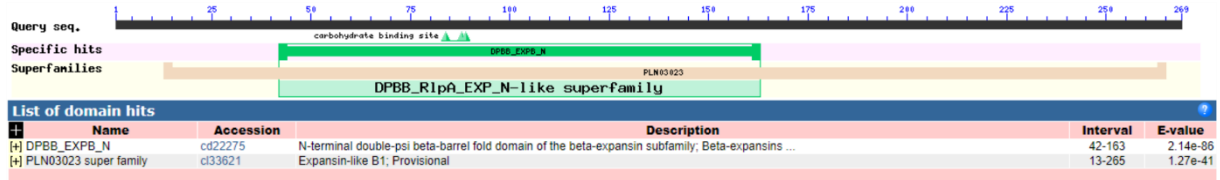
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPB-20

MAFSISKKA AVAALFSFLV VTCVAGARPGNFSASDFTADPNWEVARATWYGAPTGA
GPDDDGGACGFKNTNQYPFSSMTSCGNEPIFKDGGKGCSCYQIRCVNHPACSGNPET
VIITDMNYYPVSKYHFDLSGTAFGAMAKPGQNDQLRHAGIIDIQFKRVPCNFPGLKVT
FHVEEGSNPVYFAVLVEYEDGDGDVVQVDLMEANSQSWTPMRESWGSIWRLDSNH
RLTAPFSLRITNESGKQLVASQVIPANWAPMAVYRSFVQYSS*

CDS (coding sequence)

>OstEXPB-20

ATGGCTTTTTCCATCTCCAAGAAGGCTGCAGTTGCTGCACTCTTCTCCTTCCTTGT
GTCACCTGCGTCGCCGGCGCCAGGCCGGGGA ACTTCAGCGCCTCCGACTTCACCG
CCGATCCCAACTGGGAAGTCGCCAGGGCCACCTGGTACGGCGCTCCCACCGGCGC
CGGCCCTGACGACGATGGCGGTGCTTGCGGGTTCAAGAACACCAACCAGTACCC
GTTCTCGTCGATGACCTCCTGCGGCAACGAGCCTATCTTCAAGGACGGGAAGGGC
TGTGGCTCATGCTACCAGATAAGATGCGTCAACCACCCTGCCTGCTCCGGCAACC
CGGAGACGGTGATCATCACCGACATGAACTACTACCCCGTTTCCAAGTACCACTT
CGACCTGAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCGGGGCAGAACGACCA
GCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCGTGCAACTTC
CCTGGGCTGAAGGTGACGTTCCACGTGGAGGAGGGGTCGAACCCGGTGTACTTCG
CGGTGCTGGTTGAGTACGAGGACGGCGACGGCGACGTGGTGCAGGTGGATCTCA
TGGAGGCCAACTCCCAGTCGTGGACGCCGATGCGCGAGTCGTGGGGCTCCATCTG
GAGGCTCGACTCCAACCACCGCCTCACGGCGCCCTTCTCGCTCCGCATCACCAAC
GAGTCCGGCAAGCAGCTCGTCGCCAGCCAGGTCATCCCGGCCAACTGGGCCCCCA
TGGCCGTCTACCGTTCTTTCGTCCAGTACAGCAGCTAA

Nucleotide

>OstEXPB-20

GACCACCAAACAAAGCTCAGAATCCTACCTGACTAGTACTACCACTACTAGCTA
GTAGCGAGCTACTCTCTCTGGTCATCAAGCTTTGAGTGGTTGGAGTGGTGGCAGC
TATGGCTTTTTCCATCTCCAAGAAGGCTGCAGTTGCTGCACTCTTCTCCTTCCTTGT

TGTCACCTGCGTCGCCGGCGCCAGGCCGGGGAACCTTCAGCGCCTCCGACTTCACC
GCCGATCCCAACTGGGAAGTCGCCAGGGCCACCTGGTACGGCGCTCCCACCGGC
GCCGGCCCTGACGACGATGGTACGTTTGCCGGTGCACCTCGGCGACTGATCATTC
CATCGAGATGAACCAATTACGTTGTATAATTGAACTGTTATAAATAAGTGTGGTG
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GTCGATGACCTCCTGCGGCAACGAGCCTATCTTCAAGGACGGGAAGGGCTGTGGC
TCATGCTACCAGGTACACTAAAGATTCAGCTCAAATTTGCAATGACGACGGGCGT
TGAGCCGTTGATGCGAAGCGACTGATCGAGACGTAGGTATTCACAGTGTGTTGA
CTGTTTGTGCTGGTGCATGGCTTCTTTTTTCTTCAGATAAGATGCGTCAACCAC
CCTGCCTGCTCCGGCAACCCGGAGACGGTGATCATCACCAGACATGAACTACTACC
CCGTTTCCAAGTACCACTTCGACCTGAGCGGCACGGCGTTCCGGCGCCATGGCCAA
GCCGGGGCAGAACGACCAGCTCCGCCACGCCGGCATCATCGACATCCAGTTCAA
GAGGTAATAGTTTAGTAGTAGGCTAGTAGCTCCTGCAGGCTGCACGAACAGAAG
CATCATCATGGCCACCCCTTGCCTTGCAGTTGCTAGCTTGTGCCGTGCTGGAGCCC
TCGTACTTTTGGGTGCAAACCCGACAGCGACATTGCTTGTATGTCCTCCGGGACC
CAAGCAGATTCTGATCGCACAATAACCACTAAAACCTTTTTAATTAAGTACATGC
AGCCGCTTTACAATTTGTCGCCTCTGCCTGTCATCACCTACTACTATACTGCCTTG
CATACTCACTCTGAATTAATCTGATAAGAATGTAACACTAACACATGGATTGTTG
GGGGTTTGGCCATGCAGGGTGCCGTGCAACTTCCCTGGGCTGAAGGTGACGTTCC
ACGTGGAGGAGGGGTGCAACCCGGTGTACTTCGCGGTGCTGGTTGAGTACGAGG
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CCTCACGGCGCCCTTCTCGCTCCGCATACCAACGAGTCCGGCAAGCAGCTCGTC
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TGTACCAGTGTCACTGTTTGTGTAACCAGAACAAGGTCATAAATTATACTACTA
GTATACAGTTTGTGCTGCCTGGCATTTCAGTATGATCAATGCTTCCATTTCTCA