

IDENTIFICATION

Species: *Sorghum bicolor*

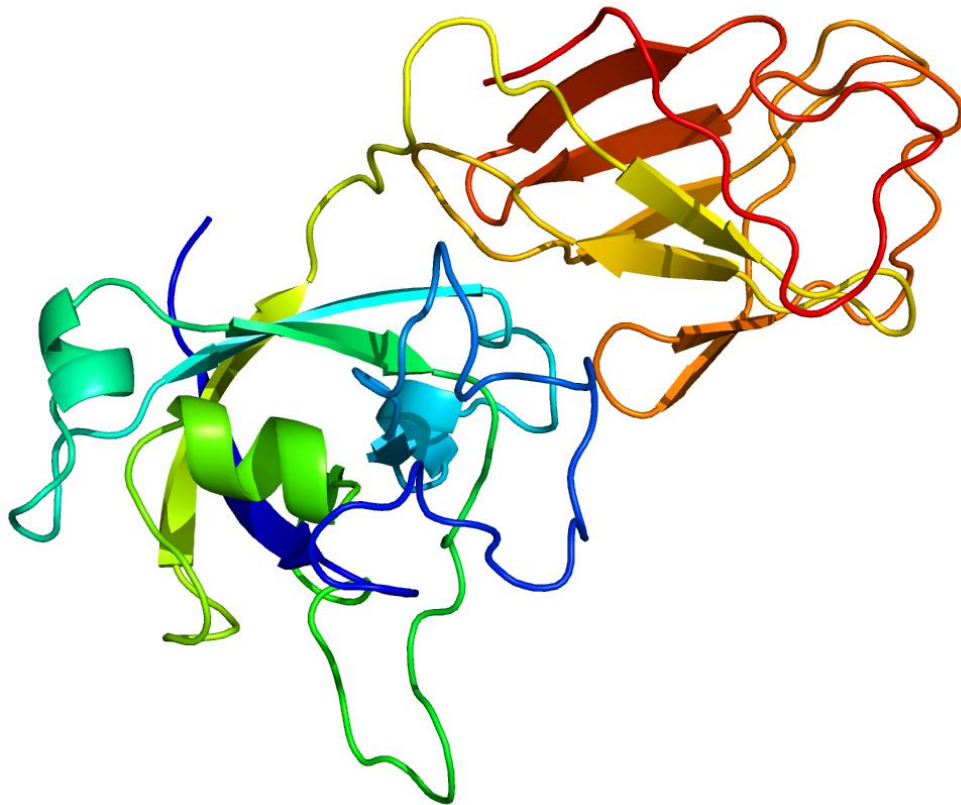
Locus: Sobic.001G237900

Gene Model: Sobic.001G237900.1.p

Description: SbEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

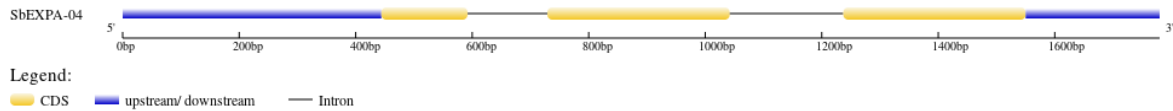
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

KEGG: <https://www.genome.jp/entry/T01086>

EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE

Query seq. Super-families

PLN0193

Name	Accession	Description	Interval	E-value
PLN00193 super family	cl33423	expansin-A; Provisional	32-255	1.32e-115

SEQUENCES

Peptide

>SbEXPA-04

MGTTVAQLKPLAVVVVVLALLVAAARADYWNWNSGTATFYGGADGSGTMGGAC
 GYDNLNAGYGVLNAALSQVLFNDGASCGQCYAIKCDATKSVWCKPGNTVTVTAT
 NLCPPNYALPNGGWCGPPRPHFDMSQPAWENIGIYRGGIIPVVYQRVRCRQGGVRF
 RITGSQYFQLILITNVGGSGSIQSMSVKGTNTGWIGMTRNWGAQWQSNALLKQALS
 FMVTSTGGQTLVNNVPAWWVLGMTFATNAQFDY*

CDS (coding sequence)

>SbEXPA-04

ATGGGCACCACGGTGGCGCAGCTCAAGCCCTTGGCCGTGGTCGTCGTCGTCCTTG
 CGCTGCTGGTCGCGGCGGCAAGGGCGGACTACTGGAACAGTGGGACGG
 CGACGTTCTACGGCGGCGCCGACGGCTCCGGCACCATGGGTGGCGCGTGC GGCTA
 CGACAACCTGTACAACGCGGGCTATGGAGTGCTCAACGCCGCGCTGAGCCAGGT
 GCTGTTCAACGACGGCGCCTCCTGTGGCCAGTGCTACGCCATCAAGTGTGACGCC
 ACCAAGTCCGTGTGGTGCAAGCCCGGCAACACCGTCACCGTCACCGCCACCAACC
 TGTGCCACCCAACTACGCGCTCCCCAACGGCGGCTGGTGCGGCCCGCGCGCCC
 CCACTTCGACATGTCCCAGCCAGCGTGGGAGAACATCGGCATCTACCGCGGCGGC
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 TCAGAATCACCGGGTCCCAGTACTTCCAGCTGATTCTCATCCAATGTCCGGCGG
 CAGTGGATCCATCCAGTCCATGTCCGTGAAGGGGACCAACACCGGGTGGATTGGC
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 GCGCTCTCCTTCATGGTCACCTCCACCGGCGGCCAGACGCTGTACGTCAACAACG
 TCGTGCCGGCGTGGTGGGTGCTGGGCATGACCTTCGCCACCAACGCGCAGTTTGA
 CTATTAG

Nucleotide

>SbEXPA-04

CGGCGCGCGCCACCGTACCGTACCAGTTGTCAAAGGCGTTGACATGTTTGCCTA
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 TGCAATCAATCATGCCCTATATTCCCTGCCAACGACCATCATTCCGATGATCATC
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