

## IDENTIFICATION

**Species:** *Sorghum bicolor*

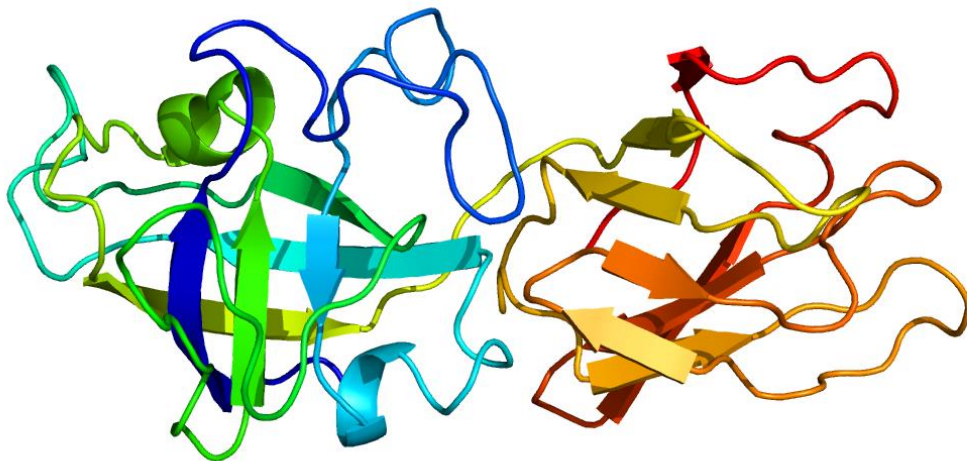
**Locus:** Sobic.001G238000

**Gene Model:** Sobic.001G238000.1.p

**Description:** SbEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

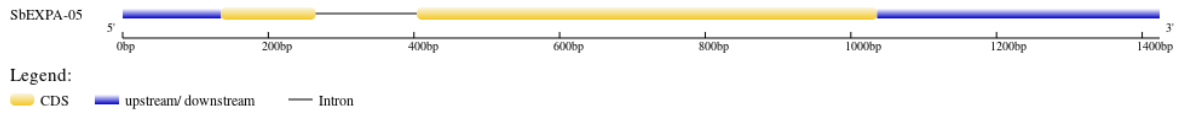
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

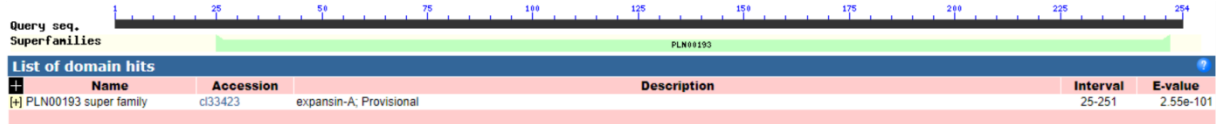
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPA-05

MDTSSRSLIILCTVLAACLRLAAAGWSQGTATFYGDADGSGTMGGACGYGNLYNAG  
 YGINNAALSQTLFNNGASCQCYLITCDRSRSGGQWCKPGSSITVSATNLCPPNYGLP  
 NGGWCGPGRPHFDMSQPAWEHIGVVQAGIIPVLYQQVRCRTTGGVRFISIAGSQYFLL  
 VNIQNVGGSGAVGAAWVKGDKTGWIQMSRNWGANWQALSGLVGQGLSFAVTTTG  
 GQYLQFMYYVPGWWQFGMTFGTNRNFAY\*

### CDS (coding sequence)

>SbEXPA-05

ATGGATACGTCGTCCAGATCCCTGATAATCCTGTGCACAGTCCTTGCAGCGTGCC  
 TTAGGCTCGCCGCCGCTGGCTGGTCTCAGGGCACCGCGACGTTCTACGGCGATGC  
 CGACGGATCCGGCACCATGGGTGGCGCGTGCGGGTACGGCAACCTGTACAACGC  
 CGGGTACGGCATCAACAACGCGGGCGCTGAGCCAGACGCTGTTCAACAACGGCGC  
 GTCGTGCGGGCAGTGCTACCTGATCACGTGCGACAGGTCACGGTCCGGCGGGCA  
 GTGGTGCAAGCCGGGCAGCTCCATCACGGTGTCGGCCACCAACCTGTGCCCGCCC  
 AACTACGGGCTCCCCAACGGCGGGTGGTGCGGCCCCGGGCCGCCCGCACTTCGAC  
 ATGTCGCAGCCGGCGTGGGAGCACATCGGGCGTCGTGCAGGCCGGCATCATCCCCG  
 TCCTGTACCAGCAGGTCAGGTGCACCCGCACCGGCGGCGTGCCTTCAGCATCGC  
 CGGCTCCCAGTATTTCTGCTCGTCAACATCCAGAACGTTCGGCGGCAGCGGGCGCC  
 GTGGGCGCCGCTGGGTGAAGGGCGACAAGACCGGGTGGATCCAGATGTCCAGG  
 AACTGGGGGGCTAACTGGCAGGCGCTGTCGGGACTCGTCGGCCAAGGGCTCAGC  
 TTCGCCGTCACCACCACCGGCGGGCAGTACCTGCAGTTCATGTACGTCGTGCCGG  
 GGTGGTGGCAGTTCGGCATGACCTTCGGCACCAACAGAAATTTGCCTACTAA

### Nucleotide

>SbEXPA-05

GCCATCTCATTCCATCCACAAGCTCAACTCAGGAACATACAGCTTGTTAAGAACC  
 TCCATTGCACTTGCACAGCCAGCTCACGAACACGCCCTCACCAGTCACCATTCTCT  
 CTGCATTGCCGACGACGTCCATATATGGATACGTCGTCAGATCCCTGATAATCC  
 TGTGCACAGTCCTTGCAGCGTGCCTTAGGCTCGCCGCCGCTGGCTGGTCTCAGGG  
 CACCGCGACGTTCTACGGCGATGCCGACGGATCCGGCACCATGGGTAAAGACAAG  
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 TATAGGCGACCTTATTACTCCATCCGCACATCACATATACTAATTAATCAA

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CGCAGCCGGCGTGGGAGCACATCGGCGTTCGTGCAGGCCGGCATCATCCCCGTCT  
GTACCAGCAGGTCAGGTGCACCCGCACCGGCGGGCGTGCCTTCAGCATCGCCGGC  
TCCCAGTATTTCTGCTCGTCAACATCCAGAACGTCGGCGGCAGCGGGCGCCGTGG  
GCGCCGCCTGGGTGAAGGGCGACAAGACCGGGTGGATCCAGATGTCCAGGAACT  
GGGGGGCTAACTGGCAGGGCGCTGTCGGGACTCGTCGGCCAAGGGCTCAGCTTCG  
CCGTCACCACCACCGGCGGGCAGTACCTGCAGTTCATGTACGTCGTGCCGGGGTG  
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CTTCAGTTGTTCCGCAATTTCTTGCGGCTCGGTTCGAACGTGGCGTGTGCCGTGCTCGT  
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GACTGGCTTCTTCCCTACGTGATGCTCCGACTGCAGGAGGTGCGCGCCCATGTAT  
ATTTCAATTTTCGTCGTCTATGTATATTTTTTTTCTTCTTACAGACGTTTGTTGTCC  
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