

## IDENTIFICATION

**Species:** *Sorghum bicolor*

**Locus:** Sobic.002G124400

**Gene Model:** Sobic.002G124400.1.p

**Description:** SbEXPB-27

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

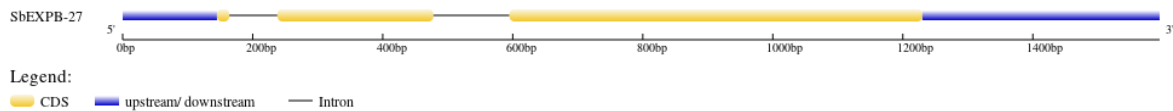
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

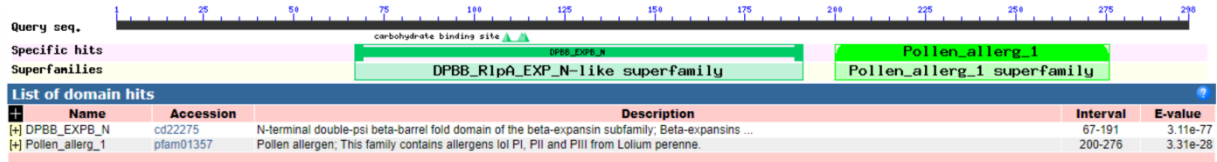
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPB-27

MDGWRRRVGSWIGAEQRKAAGHSLMGSLSSLSCLLVAARAAAVSLLLAYCAAAAV  
NYNTSDAAALQWGNARATWYGQPNGAGPYDNGGACGFKKVNQYPFMAMTSCGN  
QPLYRDGKGCSCYKIRCSSSKHAACSGRTETVITDMNYTPGVAPYHFDLSGTAFG  
KLAKPGRNDELRRAGIIDIQFTRVPCEFPGLKVG FHVVEEGSSQVYFAVLVEYENDGDG  
VVQVDLMEKGSRRWTPMRHSWGSIWRLDSNHRLQPPFSIRTRSDSGKTLVARDVIP  
LNWRPNTFYRSIVQYSS\*

### CDS (coding sequence)

>SbEXPB-27

ATGGATGGATGGAGGAGGAGTAGGTTGGATCGGAGCAGAGCAAAGAAA  
GGCGGCCGGGCATAGTTTAATGGGGTCCCTGTCTCGCTCTCTGCCTGCTAGTG  
GCGGCAAGGGCCGCGCCGTCTCCCTCTGCTGGCCTATTGCGCCGCGCCGCCG  
TGA ACTACAACACGAGCGATGCCGCCGCTTGCAGTGGGGCAACGCCAGGGCCA  
CCTGGTACGGCCAGCCCAACGGTGCCGGGCCCTACGACAACGGCGGCGCTTGCG  
GGTTCAAGAAGGTGAACCAGTACCCGTTTCATGGCCATGACCTCGTGCGGCAACCA  
GCCGCTGTACCGCGACGGCAAAGGCTGCGGTTCTGCTACAAGATCAGGTGCTCC  
AGCTCCAAGCACGCCGCTGCTCCGGCCGACCGAGACGGTGGTGATCACGGAC  
ATGAACTACACCCCGGGCGTGGCGCCCTACCACTTCGACCTCAGCGGCACCGCCT  
TCGGCAAGCTGGCCAAGCCCGGCCGCAACGACGAGCTCCGCCGCGCGGGGATCA  
TCGACATCCAGTTCACCAGGGTGCCCTGCGAGTTCCTCGGGCCTCAAGGTTCGGCTT  
CCACGTCGAGGAGGGCTCCAGCCAGGTCTACTTCGCCGTGCTGGTCGAGTACGAG  
AACGGAGACGGCGACGTCGTGCAGGTGGACCTCATGGAGAAGGGCAGCAGCCGC  
CGGTGGACGCCCATGCGCCACTCCTGGGGATCCATCTGGCGCCTCGACTCCAACC  
ACCGCCTGCAGCCGCCCTTCTCCATCCGCACCCGAAGCGACTCCGGCAAGACGCT  
CGTCGCACGCGACGTCATCCCACTCAACTGGAGGCCAAACACATTCTACAGATCA  
ATCGTCCAGTACTCGTCGTGA

### Nucleotide

>SbEXPB-27

TGCGCCGCCAAACCCCAACATGGCAGTGGCAGTGGCAGGCATGTGTGTAGCAAT  
GCATGCAATGCAAAAAAACAACACACCACACTGCTGCATGCCATTGCCTGCCTT  
CCTTCCTTTAGCTAGCTTGCATTATATACTGGATGGATGGATGGATGGAGGAGGA  
GTATGTATTGTCTAGCTAGTACCTCGATCGAGCCCTTGCCTTTCAATTCAATTCAT  
CTCTCCCTTGCTTGGCAGGAGTAGGTAGTTGGATCGGAGCAGAGCAAAGAAAGG  
CGGCCGGGCATAGTTTAATGGGGTCCCTGTCCTCGCTCTCCTGCCTGCTAGTGGCG  
GCAAGGGCCGCCGCCGTCTCCCTCCTGCTGGCCTATTGCGCCGCCGCCGCCGTGA  
ACTACAACACGAGCGATGCCGCCGCCTTGCAGTGGGGCAACGCCAGGGCCACCT  
GGTACGGCCAGCCCAACGGTGCCGGGCCCTACGACAACGGTATGTATGTATGTGT  
ACTGTCGTATATATTATGATCTGTATGCGTGCATTTGTTGGTTGATTGATGGCTCA  
CCGTCACCGGACCGCCATGGCTGCTGCTGCTCCATATATATATGCAGGCGGGCCTTG  
CGGGTTCAAGAAGGTGAACCAGTACCCGTTTCATGGCCATGACCTCGTGCGGCAAC  
CAGCCGCTGTACCGCGACGGCAAAGGCTGCGGTTCCCTGCTACAAGATCAGGTGCT  
CCAGCTCCAAGCACGCCGCCTGCTCCGGCCGCACCGAGACGGTGGTGATCACGG  
ACATGAACTACACCCCGGGCGTGGCGCCCTACCACTTCGACCTCAGCGGCACCGC  
CTTCGGCAAGCTGGCCAAGCCCGGCCGAACGACGAGCTCCGCCGCGCGGGGAT  
CATCGACATCCAGTTCACCAGGGTGCCCTGCGAGTTCCCGGGCCTCAAGGTCGGC  
TTCCACGTTCGAGGAGGGCTCCAGCCAGGTCTACTTCGCCGTGCTGGTTCGAGTACG  
AGAACGGAGACGGCGACGTCGTGCAGGTGGACCTCATGGAGAAGGGCAGCAGCC  
GCCGGTGGACGCCCATGCGCCACTCCTGGGGATCCATCTGGCGCCTCGACTCCAA  
CCACCGCCTGCAGCCGCCCTTCTCCATCCGCACCCGAAGCGACTCCGGCAAGACG  
CTCGTCGCACGCGACGTCATCCCACTCAACTGGAGGCCAAACACATTCTACAGAT  
CAATCGTCCAGTACTCGTCGTGAAACTCATCCATCCATCATTGGCATTAAATTTGC  
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TGCTAACTACTACTGTATTGTTAGCATCTACTATATACTGTACTGCTGCTAGTA  
ATACCTTATTAGTGCATCTACTGGTGTGGTGGTACGGTACATGATGGAGAGG