

## IDENTIFICATION

**Species:** *Musa acuminata*

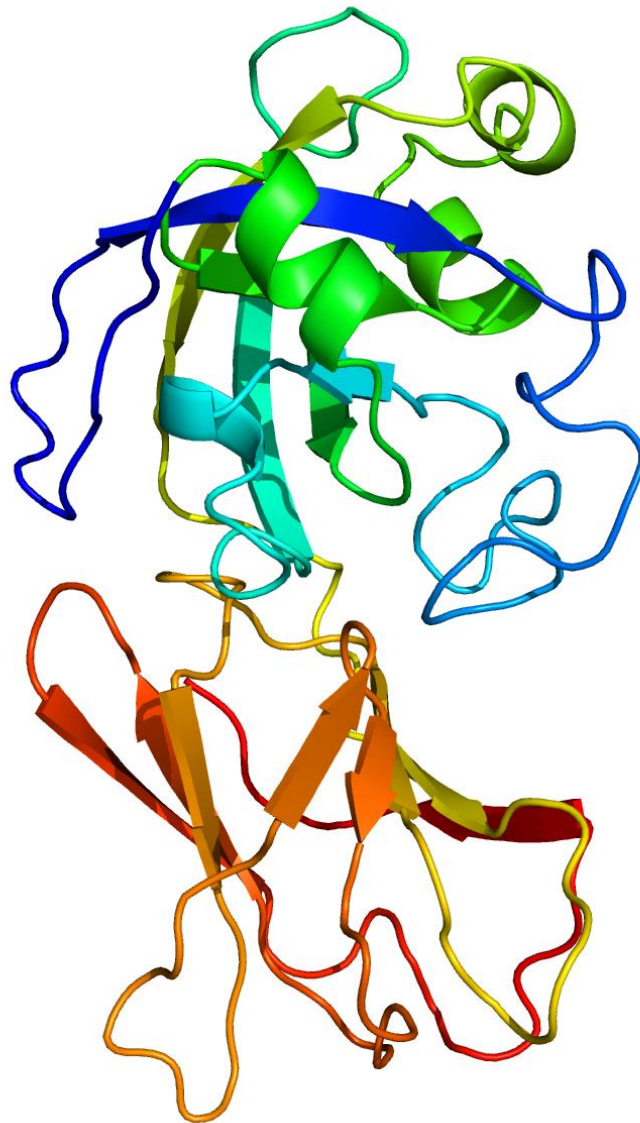
**Locus:** GSMUA\_Achr2P13740\_001

**Gene Model:** GSMUA\_Achr2P13740\_001

**Description:** MacEXPB-03

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Macuminata\\_v1](https://phytozome-next.jgi.doe.gov/info/Macuminata_v1)

KEGG: <https://www.genome.jp/entry/T03447>

## EXTERNAL RESOURCES

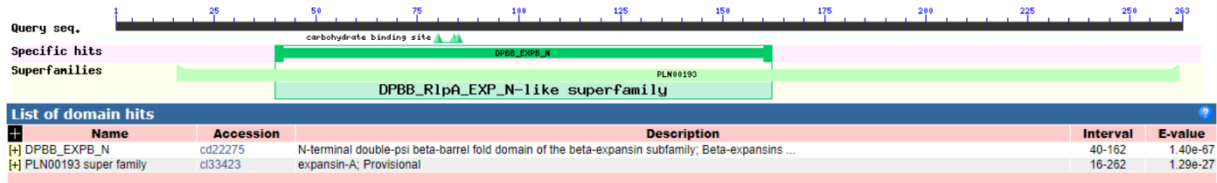
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MacEXPB-03

MASSFRRLSLLVFGFLSLLRPCACYNRMNSSDIDLAMSPAVATWYGEAEGPGSTG  
GACGYGDGVAKAPFGSKIAAGGTSLYKSGKGCACGYQVACTANPACSGRPVTVVIT  
DQCPGGPCASDAVHFDLSGAAFGAMAKPGQAAALRSAGSIHIQYARVPCSYPGFHV  
FRVDNGSNPNYFAVLPEFVNGDGEISAAEVGQGSSWTPMQSSYGAVWKLNAPVHGP  
ASIRLTSAVSRKTIVATNVIPAGWKPGATYSSNVNF\*

### CDS (coding sequence)

>MacEXPB-03

ATGGCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTGTGTTTTTCGTTGGTTTCCTTTCCC  
TGCTCCGCCCCTGCGCTTGCTACAACCGCATGAACTCGTCCGACACTGACTTGGC  
CATGTCGCCGGCTGTAGCCACCTGGTACGGGGAAGCCGAAGGCCCTGGAAGTAC  
TGGTGGCGCATGCGGATATGGTGTATGGGGTTGCCAAGGCTCCGTTCCGGATCCAAG  
ATAGCAGCAGGTGGTACTTCGCTGTACAAATCAGGCAAGGGATGTGGTGCTTGCT  
ATCAGGTTGCGTGCACGGCGAACCCCTGCATGCTCCGGGAGGCCGGTGACCGTGGT  
CATCACGGACCAGTGCCCCGGCGGCCCGTGTGCTTCCGACGCCGTCCATTTTGAC  
CTCAGCGGGGCTGCCTTCGGGGCCATGGCGAAGCCTGGCCAAGCCGCTGCGCTTC  
GCAGCGCGGGCTCCATTCACATACAATACGCCAGAGTGCCCTGCAGCTACCCGGG  
CTTTCACGTCACCTTCAGGGTGGACAACGGATCCAACCCAACTACTTCGCCGTG  
CTCCCCGAGTTCGTAATGGGGACGGCGAAATCTCGGCCGCCGAAGTGGGGCAG  
GGGAGCTCGTGGACGCCCATGCAGTCTTCGTATGGCGCCGTTTGGAAAGCTGAACG  
CGCCAGTGCATGGTCCAGCTTCGATCCGGCTGACCTCCGCCGTGTCGAGGAAGAC  
CATCGTTGCCACCAACGTCATCCCCGCGGGTTGGAAACCAGGGGCCACGTACTCC  
TCCAACGTCAACTTCTAA

### Nucleotide

>MacEXPB-03

ATGGCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTGTGTTTTTCGTTGGTTTCCTTTCCC  
TGCTCCGCCCCTGCGCTTGCTACAACCGCATGAACTCGTCCGACACTGACTTGGC  
CATGTCGCCGGCTGTAGCCACCTGGTACGGGGAAGCCGAAGGCCCTGGAAGTAC

TGGTAATGTCTACAATGTTCCCTGCGTTACGTTCTGAAGTATGCATGAGAGCATA  
GTGAAATAGTGGATCAGCATGTACGTGTATAATATATACAGGTGGCGCATGCGGA  
TATGGTGATGGGGTTGCCAAGGCTCCGTTCCGGATCCAAGATAGCAGCAGGTGGTA  
CTTCGCTGTACAAATCAGGCAAGGGATGTGGTGCTTGCTATCAGGTATACACGCC  
TTAGCCAGCTAGCTAGATTGTCTCATTTGCAACGTAGATAATGCTGGGAGACAGA  
TTGATGATGGCACTGATCGGATCAGGTTGCGTGCACGGCGAACCCTGCATGCTCC  
GGGAGGCCGGTGACCGTGGTCATCACGGACCAGTGCCCCGGCGGCCCGTGTGCTT  
CCGACGCCGTCCATTTTGACCTCAGCGGGGCTGCCTTCGGGGCCATGGCGAAGCC  
TGGCCAAGCCGCTGCGCTTCGCAGCGCGGGCTCCATTACATAACAATACGCCAGG  
TGACAACCCCAACCCGGAACCTCAACTGCCACTCGAACACCCTTATCCTAACATAC  
GCTCCTGTGGCTTCGTAGAGTGCCCTGCAGCTACCCGGGCTTTCACGTACCTTCA  
GGGTGGACAACGGATCCAACCCAACTACTTCGCCGTGCTCCCCGAGTTCGTAAA  
TGGGGACGGCGAAATCTCGGCCGCCGAAGTGGGGCAGGGGAGCTCGTGGACGCC  
CATGCAGTCTTCGTATGGCGCCGTTTGGAAGCTGAACGCGCCAGTGCATGGTCCA  
GCTTCGATCCGGCTGACCTCCGCCGTGTCGAGGAAGACCATCGTTGCCACCAACG  
TCATCCCCGCGGGTTGGAAACCAGGGGCCACGTACTCCTCCAACGTCAACTTCTA  
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