

## IDENTIFICATION

**Species:** *Oropetium thomaeum*

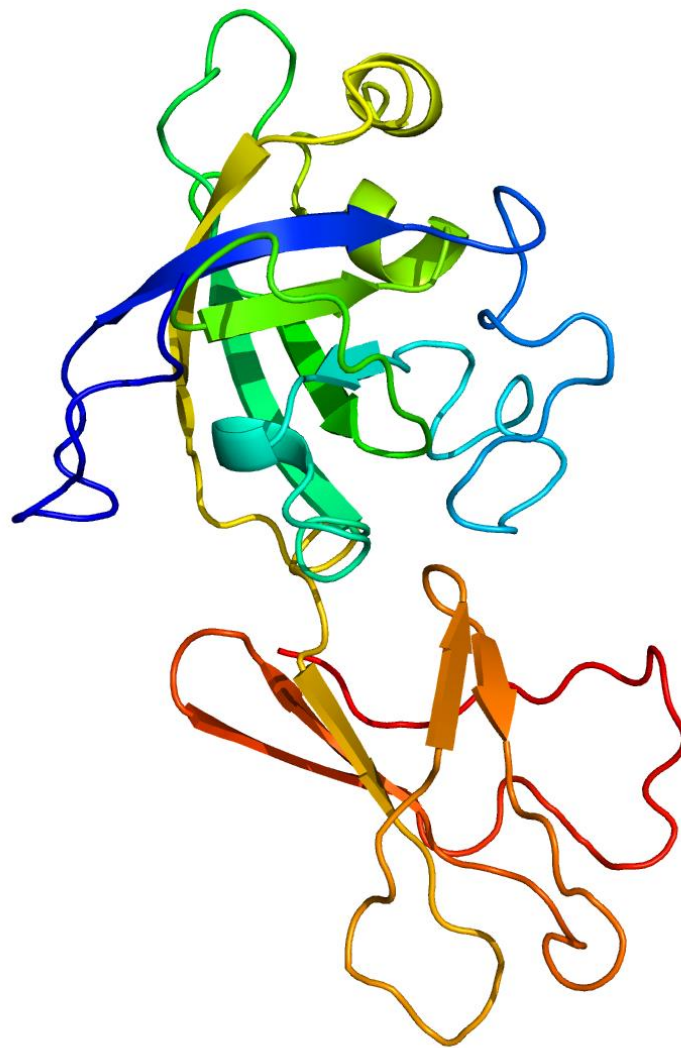
**Locus:** Oropetium\_20150105\_22027A

**Gene Model:** Oropetium\_20150105\_22027A

**Description:** OthEXPB-13

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Othomaeum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0)

KEGG:-

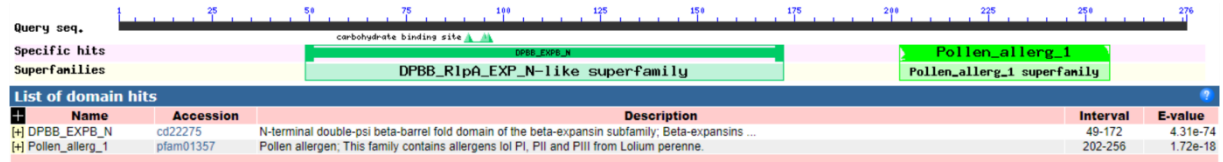
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OthEXPB-13

MGSXXXXXXXXXXVVSVVLAALASVGSCARRLDLPPGPNITTDYDGKWLDKAT  
WYGQPTGAGPDDNNGGACGIKDVNLPPYNGMTSCGNLPLFKDGGKGCSCYEIKCTNP  
QLEECSGTPVVVFITDMNYDLLSPYHFDLSGKAFGSMSKPGQEDRLRHRGIIDLQFRR  
VRCTXXXXXXXXXXXXXXXXXXXXXXXXXXXXNDGDIVQMDLMEKDTQQWTPMR  
ESWGSIWRIIDPHRPLKGPFSIRLTNESGKQLVATDVIPEHWMQGGVYNSDIQF\*

### CDS (coding sequence)

>OthEXPB-13

ATGGGATCCCTCGTCCACAACATCGTCATGGTCGTCGTCGCGGTTGTGTCCGTCGT  
CCTCGCAGCGCTCGCCTCCGTCGGCTCCTGCGCGCGCCGCCTCGACTTGCCACCG  
GGCCCCAACATCACCACCGACTACGACGGCAAGTGGCTCGACGCCAAGGCCACC  
TGGTACGGCCAGCCCACCGGCGCCGGCCCCGACGACAACGGTGGCGCGTGC  
ATCAAGGACGTGAACCTTCCGCCATACAACGGCATGACGTCCTGCGGCAACCTCC  
CCCTTTTCAAAGACGGCAAGGGCTGCGGCTCCTGCTACGAGATCAAATGCACCAA  
TCCGCAGCTCGAGGAGTGCTCCGGCACGCCGGTGGTCGTCTTCATCACCACATG  
AACTACGACCTCCTCTCCCTTACCACTTCGACCTCAGCGGCAAGGCCTTCGGCTC  
CATGTCTAAGCCCGGCCAAGAGGACAGGCTCCGGCACCGCGGCATCATCGACCT  
GCAGTTCAGGAGGGTTCGGTGCACGTACCCGCGGGGCAGAAAATCGCGTTCCA  
CGTGAAGGGGTGCAACCCGTTCTACCTGGCGGTGCTGGTGAAGTTCGTGGCCAAC  
GACGGCGACATCGTGCAGATGGACCTGATGGAGAAGGACACGCAGCAGTGGACG  
CCGATGCGGGAGTCCCTGGGGCTCCATCTGGAGGATCGATCCCCACAGGCCGCTCA  
AGGGCCCCTTCTCCATCCGCCTACCAACGAGTCCGGCAAGCAGCTCGTCGCCAC  
CGACGTCATCCCGGAGCACTGGATGCAGGGCGGCGTCTACAACCTCCGACATCCAG  
TTCTAG

### Nucleotide

>OthEXPB-13

ATGGGATCCCTCGTCCACAACATCGTCATGGTCGTCGTCGCGGTTGTGTCCGTCGT  
CCTCGCAGCGCTCGCCTCCGTCGGCTCCTGCGCGCGCCGCCTCGACTTGCCACCG  
GGCCCCAACATCACCACCGACTACGACGGCAAGTGGCTCGACGCCAAGGCCACC  
TGGTACGGCCAGCCCACCGGCGCCGGCCCCGACGACAACGGTATGTTTGCAGAG  
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ATTTTGGAAATTGTGCCCCGATCGATCGATCGATCGAGTGCAGGTGGCGCGTGCGGG  
ATCAAGGACGTGAACCTTCCGCCATACAACGGCATGACGTCCTGCGGCAACCTCC  
CCCTTTTCAAAGACGGCAAGGGGCTGCGGCTCCTGCTACGAGGTATAGTACGTACT  
GCACAAACTGCTCTGTTTTTCGTTCTCAATTCCTCGTTGACAATGGCTTCGACCT  
TGTTGGCATGCAGATCAAATGCACCAATCCGCAGCTCGAGGAGTGCTCCGGCACG  
CCGGTGGTTCGTCTTCATCACCGACATGAACTACGACCTCCTCTCCCCTTACCACTT  
CGACCTCAGCGGCAAGGCCTTCGGCTCCATGTCTAAGCCC GGCCAAGAGGACAG  
GCTCCGGCACCGCGGCATCATCGACCTGCAGTTCAGGAGGTCAACTCCTGCGTTA  
CTACTCGACCAAATTAATAACTTTTTCCATAATATCATGGATTATTTATTGCTGT  
GGAATGAAAACCTTCATGCGTGTGTGTGCATTAATACCTGTACTGTACGTACCGC  
ATTATGCAGGGTTCGGTGCACGTACCCGCCGGGGCAGAAAATCGCGTTCCACGTG  
AAGGGGTCGAACCCGTTCTACCTGGCGGTGCTGGTGAAGTTCGTGGCCAACGACG  
GCGACATCGTGCAGATGGACCTGATGGAGAAGGACACGCAGCAGTGGACGCCGA  
TGCGGGAGTCCTGGGGCTCCATCTGGAGGATCGATCCCCACAGGCCGCTCAAGGG  
CCCCTTCTCCATCCGCCTCACCAACGAGTCCGGCAAGCAGCTCGTCGCCACCGAC  
GTCATCCCGGAGCACTGGATGCAGGGCGGGCTCTACA ACTCCGACATCCAGTTCT  
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