

## IDENTIFICATION

**Species:** *Oropetium thomaeum*

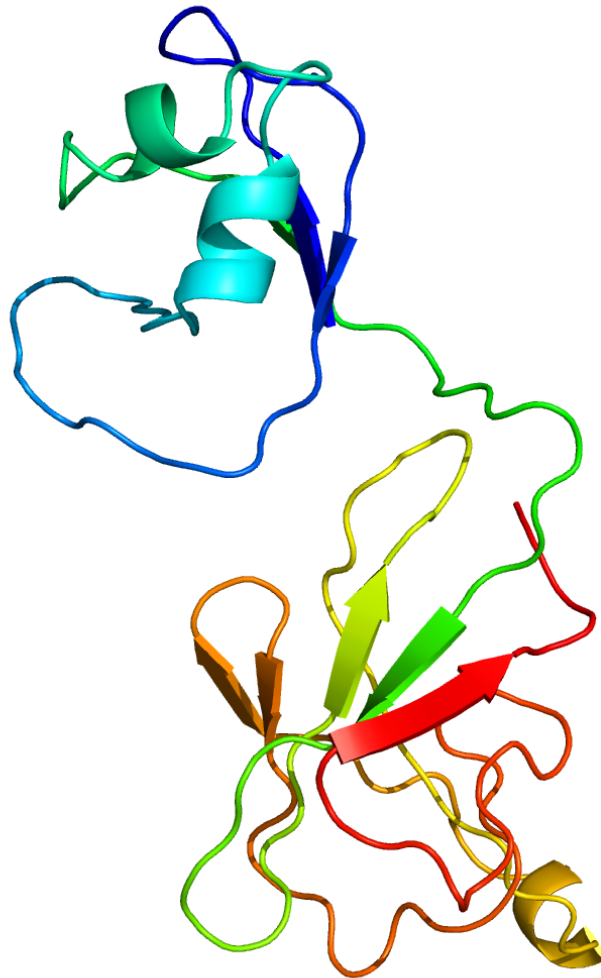
**Locus:** Oropetium\_20150105\_13358A

**Gene Model:** Oropetium\_20150105\_13358A

**Description:** OthEXPA-01

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

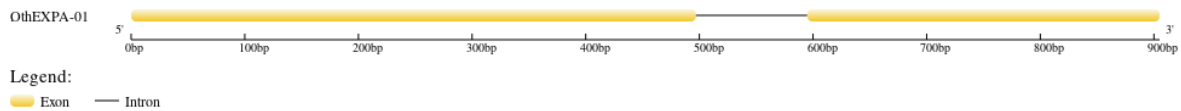
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Othomaeum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0)

KEGG:-

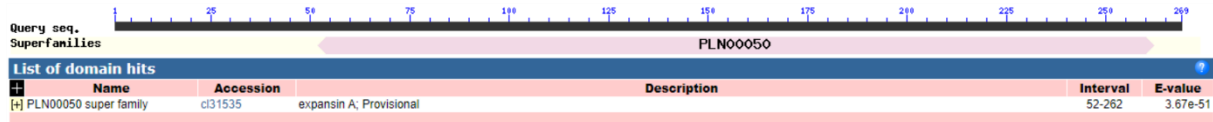
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OthEXPA-01

MAPPLATSSSPPLLLAALALALALTSSSAGVDA AAAAKPHVNHGKFKADPWTAGH  
ATYYGGRDGS GTRDGGACGYKDADGFGVQXXXXXXXXXXXXXXXXXXXXXELKGA  
EGANSTKPGAAPVVVTANNQAPPVSGQKGEHFDLTMPVFLQIAEEKAGIVPISYRK  
VACSRQGGIRYTITGNKNYNMVMVTNVGGAGDVAGLMVKGNKRVKWTPLKRSWG  
QLWVTETDLTGESLFRVITGDHRKATSWHVAPRDWQFGKTYQATKNF\*

### CDS (coding sequence)

>OthEXPA-01

ATGGCGCCTCCCCTCGCGACGTCGTCGTCGCCGCCGCCGCTGCTCCTCGCCGCGCT  
CGCGCTCGCGCTCGCGCTGACGTCCTCGTCCGCCGCGGCGTCGACGCCGCTGCCGCC  
GCGAAGCCGCACGTGAACCACGGCAAGTTCAAGGCGGACCCGTGGACGGCCGGG  
CACGCGACGTACTACGGCGGGCGCGACGGGTCCGGCACCCGCGACGGCGGGCGCG  
TGCGGGTACAAGGACGCGGACGGGTTCGGCGTGCAGACGGCGGCCGTGAGCCCG  
GCGCTGTTGACAGCGGCCGCCGGGTGCGGGCGCGTGCTACGAACTGAAGGGCGCC  
GAGGGCGCCAACAGCACCAAGCCTGGCGCCGCGCCCGTCTGTGGTCACCGCGAAC  
AACCAGGCACCGCCGCCCGTCAAGCGGGCAGAAGGGGGAGCACTTCGACCTCACC  
ATGCCCGTGTTCCTCCAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATCTCCT  
ACCGAAAGGTGGCGTGCTCGAGGCAAGGCCGGGATCCGGTACACGATCACCGGGA  
ACAAGAACTACAACATGGTCATGGTGACCAACGTGGGCGGCGCCGGTGACGTGG  
CGGGGCTCATGGTGAAGGGCAACAAGCGCGTCAAGTGGACGCCGCTCAAGCGGA  
GCTGGGGCCAGCTCTGGGTACCGAGACCGACCTCACCGGAGAGTCGCTCACGTT  
CCGCGTCATCACCGGCGACACCGCAAGGCCACCTCCTGGCACGTCGCGCCCCCG  
GACTGGCAGTTCGGAAAGACATAACCAGGCGACCAAGA AACTTCTAA

### Nucleotide

>OthEXPA-01

ATGGCGCCTCCCCTCGCGACGTCGTCGTCGCCGCCGCCGCTGCTCCTCGCCGCGCT  
CGCGCTCGCGCTCGCGCTGACGTCCTCGTCCGCCGCGGCGTCGACGCCGCTGCCGCC  
GCGAAGCCGCACGTGAACCACGGCAAGTTCAAGGCGGACCCGTGGACGGCCGGG  
CACGCGACGTACTACGGCGGGCGCGACGGGTCCGGCACCCGCGACGGCGGGCGCG  
TGCGGGTACAAGGACGCGGACGGGTTCGGCGTGCAGACGGCGGCCGTGAGCCCG

GCGCTGTTTCGACAGCGGCGCCGGGTGCGGGCGCGTGCTACGAACTGAAGGGCGCC  
GAGGGCGCCAACAGCACCAAGCCTGGCGCCGCGCCCGTCGTGGTCACCGCGAAC  
AACCAGGCACCGCCGCCCGTCAGCGGGCAGAAGGGGGAGCACTTCGACCTCACC  
ATGCCCCGTGTTCCCTCCAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATCTCCT  
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CGCGCAAGCCGAATCACGTTACTGATCCATGCATTTAATTTGATGTGCAGGGTGG  
CGTGCTCGAGGCAAGGCGGGATCCGGTACACGATCACCGGGAACAAGA ACTACA  
ACATGGTCATGGTGACCAACGTGGGCGGCGCCGGTGACGTGGCGGGGCTCATGG  
TGAAGGGCAACAAGCGCGTCAAGTGGACGCCGCTCAAGCGGAGCTGGGGCCAGC  
TCTGGGTCACCGAGACCGACCTCACCGGAGAGTCGCTCACGTTCCGCGTCATCAC  
CGGCGACCACCGCAAGGCCACCTCCTGGCACGTCGCGCCCCGCGACTGGCAGTTC  
GGAAAGACATACCAGGCGACCAAGA ACTTCTAA