

## IDENTIFICATION

**Species:** *Mimulus guttatus*

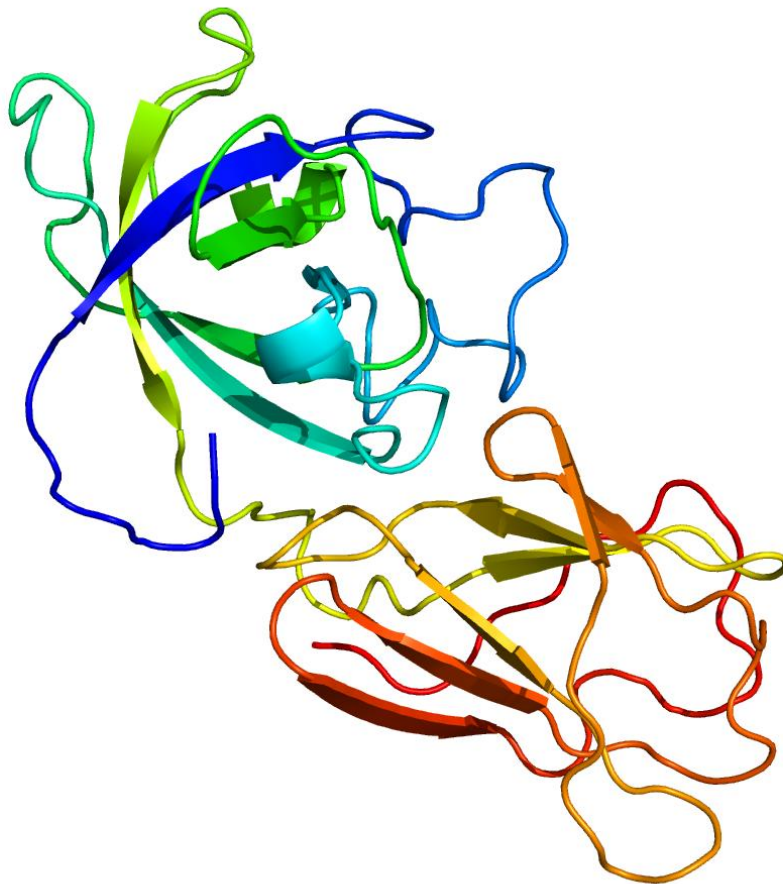
**Locus:** Migut.F00780

**Gene Model:** Migut.F00780.1.p

**Description:** MgEXPA-10

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

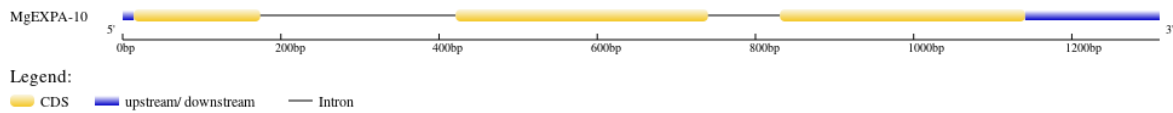
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Mguttatus\\_v2\\_0](https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0)

KEGG:-

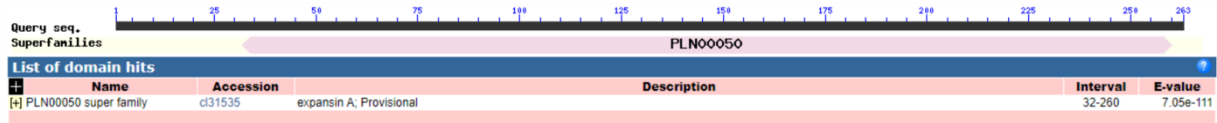
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MgEXPA-10

METMDLTTTCIVSLFLLVLSHVVVEARIPGVYHGGPWQTAHATFYGQHDAPSTMGGA  
CGYDDSLSLGNAANTAALSTALFNGLSCGACFEIKCKDVPQWCLPGNPSITITGTNY  
CPPNYALPNDNGGWCNPLTHFDLA YPIFLKIAKYEAGIVPVSFRRVPCRKQGGIRFR  
MDGMNYFKLVLISNVAGAGDIIKVWIKGSKTDWMAMSRNWGQKWQFNADLTGQSI  
SFRVKTSDRRKSTS WNIVPSNWQFGQTFSGKNFRV\*

### CDS (coding sequence)

>MgEXPA-10

ATGGAAACAATGGATTTGACCACTTGCATTGTTAGCTTGTTCTTACTAGTACTCAG  
CCATGTTGTCGTCGAAGCCAGAATTCCCGGAGTTTACCATGGCGGCCCTGGCAA  
ACCGCCACGCTACGTTTTACGGCCAACACGATGCCCTAGCACTATGGGGGGTG  
CTTGCGGGTACGATGATAGTTTAAGCCTAGGGAACGCCGCTAACACGGCGGCACT  
AAGCACGGCGCTCTTCAACAACGGGTTGAGCTGTGGCGCGTGTTCGAGATCAAG  
TGCAAAGACGTCCCGCAATGGTGCCTCCCGGGCAACCCGTCAATTACCATCACCG  
GCACGAATTACTGCCCGCCAATTACGCCCTGCCAACGACAACGGTGGCTGGTG  
CAACCCGCCCTTACCCATTTGATCTCGCTTACCCATCTTCTCAAATCGCCA  
AGTATGAGGCTGGCATTGTGCCGTTTCTTTTCGCCGGGTGCCGTGCCGCAAGCA  
GGGCGGGATCAGATTCAGAATGGACGGCATGAATTATTTCAAGTTGGTTCTGATA  
AGCAACGTCGCCGGTGCCGGCGACATCATTAAAGTGTGGATTAAGGGATCGAAG  
ACTGATTGGATGGCGATGAGCCGCAATTGGGGGCAAAAATGGCAATTTAACGCC  
GATCTCACTGGCCAATCAATCTCCTTTCTGTGTGAAGACCAGCGATCGCCGGAAT  
CCACTTCGTGGAACATCGTGCCGTGCAACTGGCAATTCGGTCAGACTTTCTCCGG  
CAAAAATTTAGAGTCTGA

### Nucleotide

>MgEXPA-10

CTCAACAAATAAAATGGAAACAATGGATTTGACCACTTGCATTGTTAGCTTGTT  
CTTACTAGTACTCAGCCATGTTGTCGTCGAAGCCAGAATTCCCGGAGTTTACCAT  
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