

IDENTIFICATION

Species: *Mimulus guttatus*

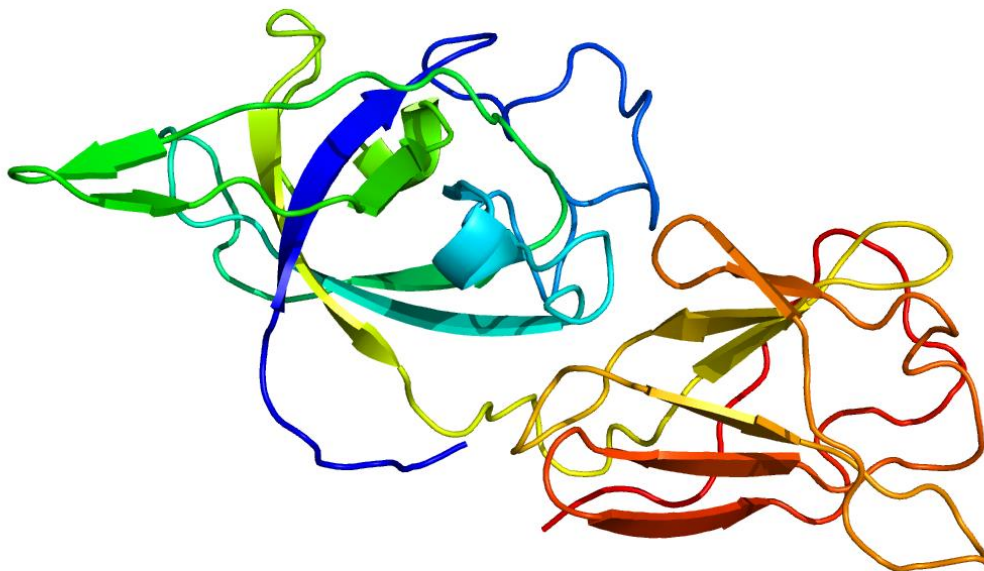
Locus: Migut.I00321

Gene Model: Migut.I00321.1.p

Description: MgEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

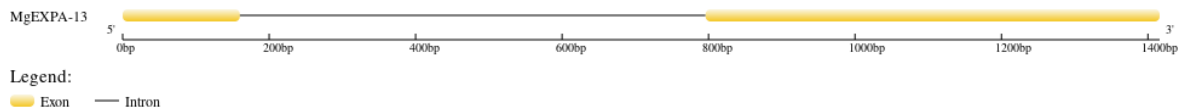
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0

KEGG:-

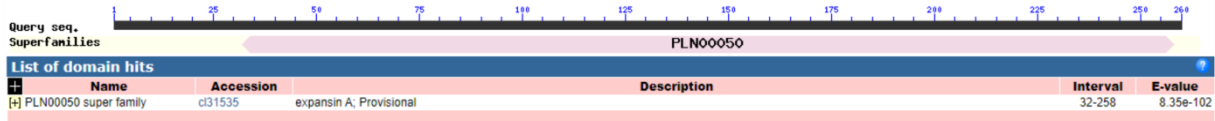
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MgEXPA-13

MAALYKIYLFCLQVVVIFAVVSCSSEDRYTNHGHGWNHAHATFYGDINGGETMQGA
CGYGNLFEQGYGLKTTALSTALFNNGAACGACFEIMCANDPQWCVRGVSIRVTATN
FCPPNYTKTHDIWCNPPQKHFDLSLPMFLKIAQYKAGVVPVIYRRVVCWKKGGIKFEI
KGNPYWMLVLVYNVGGVGDVTSVKIKGSSSNWIDMSRSWGQNWHTSEGLQGQA
LSFRVETSDGKVVQSNDVAPANWQLGQTYEGKNFH*

CDS (coding sequence)

>MgEXPA-13

ATGGCGGCGTTATATAAAATTTATTTGTTTTGTTTACAAGTAGTAGTTATATTTGC
AGTAGTTAGTTGTAGTAGTGAAGATAGATATACAAATCATGGCCATGGCTGGAAT
CATGCTCACGCTACATTCTATGGAGATATCAATGGCAGTAAACCATGCAAGGGG
CTTGCGGATACGGAAACCTATTCGAGCAAGGTTACGGCCTAAAACAACAGCCCT
AAGCACCGCATTGTTCAACAACGGTGCAGCATGCGGAGCTTGTTCGAGATAATG
TGCGCAAACGATCCACAATGGTGCCTCCGCGGTTCCGTAATCCGCGTAACGGCCA
CAAATTTCTGCCCGCCAAACTACACGAAAACATCATGATATTTGGTGCAACCCTCC
ACAAAAGCACTTCGACCTTTCGCTGCCCATGTTCTTAAAATCGCGCAATACAAA
GCCGGAGTAGTCCCGGTTATATATAGGCGAGTCGTGTGCTGGAAAAAGGGCGGT
ATCAAATTCGAGATAAAAGGTAATCCGTAATTGGATGCTCGTTCTTGTGTACAACG
TTGGTGGAGTTGGTGTGTTACGTCGGTCAAGATTAAAGGGTCGAGTAGTAATAA
TTGGATTGACATGAGTCGGAGTTGGGGGCAAATTGGCATACTTCGGAGGGATTG
CAAGGGCAGGCGTTGTCTTTTCGGGTGGAAACTAGTGACGGTAAGGTGGTGCAGT
CGAACGACGTCGCACCGGCGAATTGGCAGCTTGGGCAAACCTTATGAGGGCAAGA
ATTTCCATTAG

Nucleotide

>MgEXPA-13

ATGGCGGCGTTATATAAAATTTATTTGTTTTGTTTACAAGTAGTAGTTATATTTGC
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TGTTTCGAGATAATGTGCGCAAACGATCCACAATGGTGCGTCCGCGGTTCCGTAA
TCCGCGTAACGGCCACAAATTTCTGCCCGCCAACTACACGAAA ACTCATGATAT
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GTCGAGTAGTAATAATTGGATTGACATGAGTCGGAGTTGGGGGCAAAATTGGCAT
ACTTCGGAGGGATTGCAAGGGCAGGCGTTGTCTTTTCGGGTGGAACTAGTGACG
GTAAGGTGGTGCAGTCGAACGACGTCGCACCGGCGAATTGGCAGCTTGGGCAAA
CTTATGAGGGCAAGAATTTCCATTAG