

IDENTIFICATION

Species: *Medicago truncatula*

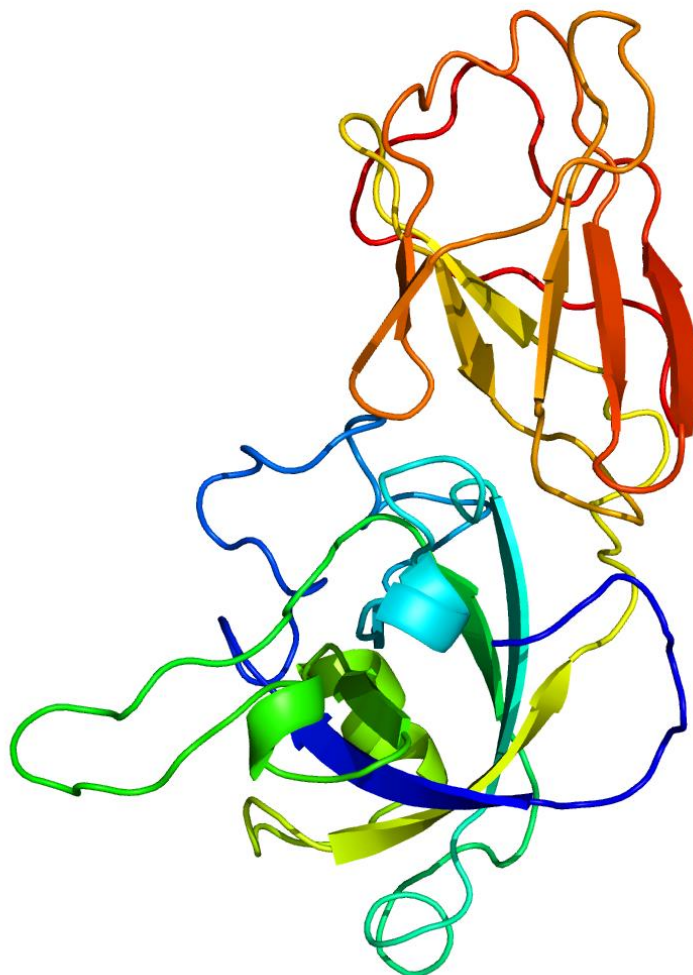
Locus: Medtr2g090255

Gene Model: Medtr2g090255.1

Description: MtrEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

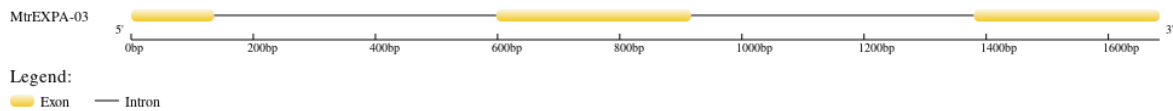
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mtruncatula_Mt4_0v1

KEGG: <https://www.genome.jp/entry/T01716>

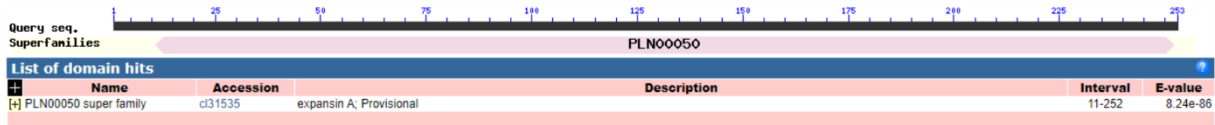
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MtrEXPA-03

MGVLQSIFLYLVLLQACIKVSSYRDEEWKSATATYIQDKDGLITEGACGYGDIHKV
DYGKYSTGLSTILFNKGSTCGACYEIRCVDHILWCLIGSPSVVVTVTDFCAPNYGLSS
DYGGWCNFPSEHFEMSEAAFAEIAKRKSDIVPIQYRRVKCKRTGGLKFTMSGSYNFY
QVLITNVGLDGEVVAVKVKGTGTGWIPMARNWQNWHCNVNLQKQPLSFEVTITS
GKTITSYNVAPANWQFGQTFEGKQF*

CDS (coding sequence)

>MtrEXPA-03

ATGGGTGTTCTACAATCTATATTTCTCTACCTGGTTTTACTACAAGCATGCATCAA
GGTTTCTTCTTACAGAGATGAAGAGTGGAAGTCTGCAACTGCAACATACATCCAA
GATAAAGATGGGTCTCTCATTACAGAAGGAGCTTGTGGTTATGGAGACATTCACA
AGGTTGATTATGGGAAATATAGTACTGGGTTAAGCACAATTTTGTTCACAAAGG
GAGTACTTGTGGTGCCTGTTATGAGATTAGATGTGTTGATCACATTTTATGGTGCT
TGATTGGAAGTCCTTCTGTCGTTGTTACTGTTACAGATTTCTGTGCTCCAACTAT
GGACTTTCATCTGATTATGGTGGATGGTGCAACTTCCAAGTGAGCATTTTGAGAT
GTCAGAAGCTGCATTCGCTGAAATTGCCAAGAGAAAATCTGATATAGTTCCAATT
CAATATAGGAGGGTTAAATGCAAAAAGAACTGGTGGCTTGAAATTCACAATGAGT
GGAAGTTATAATTTTTATCAAGTTCTTATTACCAATGTAGGGTTGGATGGTGAAGT
GGTTGCTGTGAAAGTGAAGGGAACAAAACTGGCTGGATACCAATGGCAAGGAA
TTGGGGACAAAACCTGGCATTGCAATGTGAACCTTCAAAAACAACCTTTATCCTTT
GAGGTTACCATCACAAGTGGAAAAACAATCACATCTTACAATGTAGCTCCTGCAA
ATTGGCAATTTGGACAAACATTTGAAGGAAAACAATTCTAG

Nucleotide

>MtrEXPA-03

ATGGGTGTTCTACAATCTATATTTCTCTACCTGGTTTTACTACAAGCATGCATCAA
GGTTTCTTCTTACAGAGATGAAGAGTGGAAGTCTGCAACTGCAACATACATCCAA
GATAAAGATGGGTCTCTCATTACAGGTAATTTTTAGAGCTGTCAAATGAACTACG
TAAATGAGTAAAATCGGCTCGGCCATTTGATATTAGTCTACATATTATTTAGCCA
AGCCCAACTACTGTGGGCCGGATAAAAAACCAAGTCGTTTTAGGCTTGTGCTGT
AAATAAAGCACGGATACGGACACATACTAGACACGACATTGTCATGCTGACA

GTTATTTGAGAAAATCACATAATTCAGTGTGATTATATGTGTCGGTGTGCATATTGG
TGTTGGATACAACACGTGTCCAACACTGGAGACGGTTAATCCGAAAAGTGTCCGT
GCTTCATAGCGCTTGTGTTTTACAACACTAGTCCATGTAAAATTACGGGCTATGGGTT
TGCCCATCTGGCCTAATATTTTTGCACAAAAGTTTAAGTAAGTTGGGTTCCGGGAC
TCTCCAGTTTTAGTTTTGACAATGTGGTTGTGAATTGATTACAGAAGGAGCTTGTG
GTTATGGAGACATTCACAAGGTTGATTATGGGAAATATAGTACTGGGTTAAGCAC
AATTTTGTTCACAAAAGGGAGTACTTGTGGTGCCTGTTATGAGATTAGATGTGTT
GATCACATTTTATGGTGCTTGATTGGAAGTCCTTCTGTGCTTGTACTGTTACAGA
TTTCTGTGCTCCAACTATGGACTTTCATCTGATTATGGTGGATGGTGCAACTTTC
CAAGTGAGCATTTTGAGATGTCAGAAGCTGCATTCGCTGAAATTGCCAAGAGAAA
ATCTGATATAGTTCCAATTC AATATAGGAGGTAAA ACTAAAATGTTTT CATGAGA
CATATTGATTGACTATTAGAGAGTTTATAGAAACA ACTTATCAGATATCCATAAG
CCATTTTTATCTTATTTCCGTAAGTTCTCTGGGTTAGTTTATAAAAACA ACTTATAG
CTTATGAAAACAATTTGACTCTATTTTATTTTACGTTATAGAAATAGCTTATAATA
AGTACTTATATGATAAAAATATTTTAAACTGCGGTTACAGTTGTGGTTATGCCGC
GAACCTTTATATAGCAGCAAAAATGCGACCTATACGGTTGGAATGTTGTTAAGGAG
ACATCAAAATTCTTTATATTGGGGCTACCAATTTAAA ACTATAAGTGCATATGTTA
TAAGTGCTTAATAAAGCTATTTCCCTTATCCAAACAGGGCCTAAGTCTTTTTTTAA
TGCTTAGGCTTAGGCATCTGGCTTATACAAGGAGTTCTTTTTTGTGCAGGGTTAAA
TGCAAAAGA ACTGGTGGCTTGAAATTCACAATGAGTGGAAGTTATAATTTTTATC
AAGTTCTTATTACCAATGTAGGGTTGGATGGTGAAGTGGTTGCTGTGAAAGTGAA
GGGAACAAA ACTGGCTGGATACCAATGGCAAGGAATTGGGGACAAA ACTGGCA
TTGCAATGTGAACCTTCAAAAACAACCTTTATCCTTTGAGGTTACCATCACAAGT
GGAAAACAATCACATCTTACAATGTAGCTCCTGCAAATTGGCAATTTGGACAAA
CATTTGAAGGAAAACAATTCTAG