

IDENTIFICATION

Species: *Manihot esculenta*

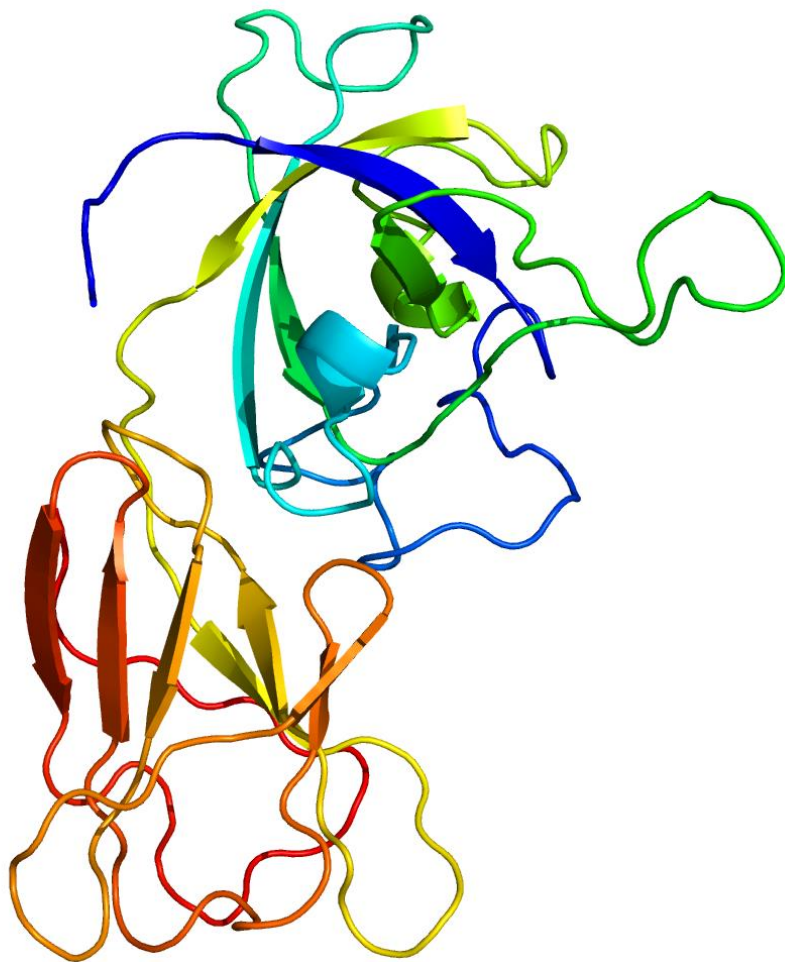
Locus: Manes.09G093200

Gene Model: Manes.09G093200.1

Description: MsEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mesculenta_v7_1

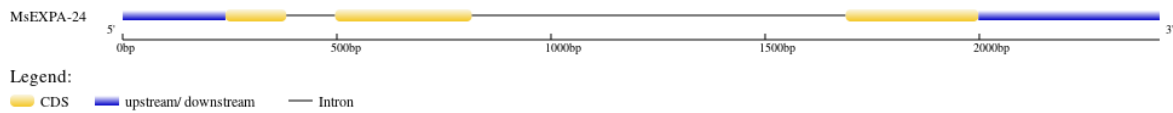
KEGG: <https://www.genome.jp/entry/T05761>

EXTERNAL RESOURCES

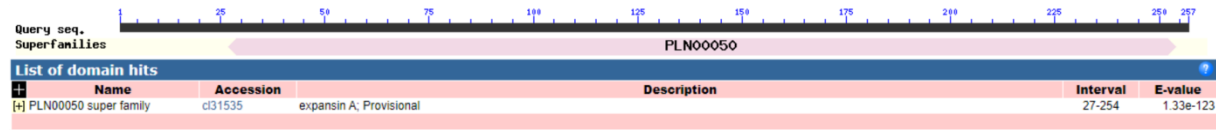
<https://cassavagenome.org/>

<https://cassavabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MsEXPA-24

MARLLCILYLLPLFMVANARIPGLYTGGPWESAHATFYGGSDASGTMGGACGYGNL
YSQGYGVNTAALSTALFNGLSCGACFEIKCANDPKWCNPGSPSIFITATNFCPPNFA
LPSDNGGWCNPPRPHFDLAMPFKIAEYRAGIVPVTFRRIPCRKQGGIRFTINGFRYF
NLVLVTNVAGAGDIVKVSIGSKTGWLSMSRNWGQNWQSNVVLVGQSLSFRTGS
DRRTSTSWNIAPANWQFGQFTGKNFRV*

CDS (coding sequence)

>MsEXPA-24

ATGGCTCGTCTCCTCTGCATTCTATATCTGCTACCGCTTTTCATGGTAGCTAATGC
AAGAATCCCTGGTCTTTACACCGGTGGCCCTTGGGAATCTGCCCATGCTACTTTCT
ATGGTGGAAGTGACGCCTCTGGA ACTATGGGTGGTGCTTGTGGATATGGTAATCT
TTACAGCCAAGGTTATGGAGTGAACACAGCAGCCTTGAGCACAGCACTCTTCAAT
AATGGTCTCAGTTGCGGCGCTTGCTTTGAGATCAAATGTGCAAATGATCCCAAAT
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AACTTTGCACTGCCAGCGACAATGGCGGATGGTGCAACCCACCTCGTCCACATT
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Nucleotide

>MsEXPA-24

TTCACAAATAAATAAATAAAAATAAAAAAGTGAAAATTCCTCAAAATGGATCTAC
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