

IDENTIFICATION

Species: *Manihot esculenta*

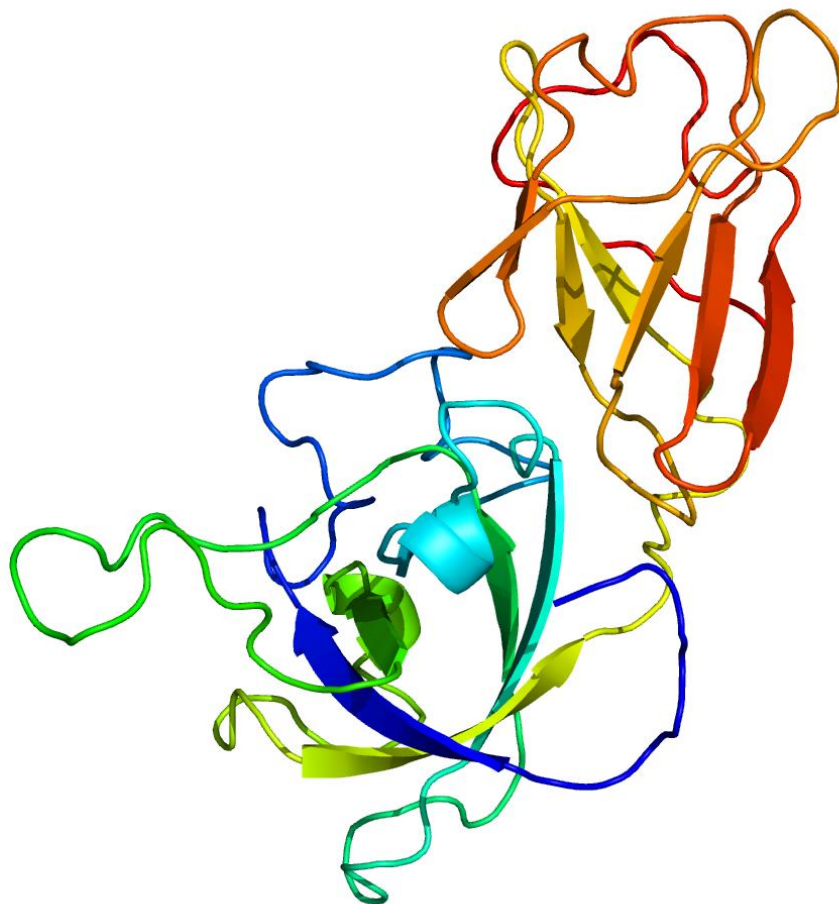
Locus: Manes.10G000900

Gene Model: Manes.10G000900.1

Description: MsEXPA-27

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

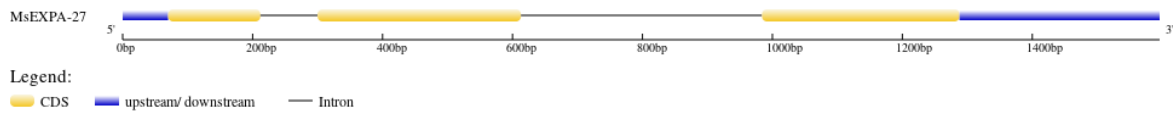
KEGG: <https://www.genome.jp/entry/T05761>

EXTERNAL RESOURCES

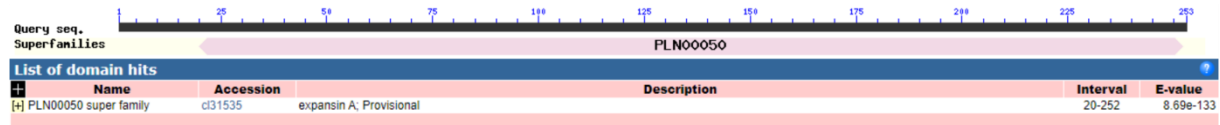
<https://cassavagenome.org/>

<https://cassavabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MsEXPA-27

MATAVFSVIPLLLFVINLCLKGAFGDYGGWQGGHATFYGGGDASGTMGGACGYGN
LYSQYGTNTAALSTALFNGLSCGACYEMRCDNDPKWCLPGTITVTATNFCPPNN
ALPNDNGGWCNPLQHFDLAEP AFLQIAQYRS GIVPISFRRVPCVKKGGIRFTVNGHS
YFNLVLVTNVGGAGDVQAVSMKGSRTGWQAMSRNWGQNWQSNAILNGQSLSFQV
TTSDGRTVTSYDVAPANWQFGQTFEGGQF*

CDS (coding sequence)

>MsEXPA-27

ATGGCCACAGCAGTATTCTCTGTAATTCCTCTTCTGCTCTTTGTGATAAATCTTTG
CCTTAAAGGCGCTTTTGGAGACTATGGAGGATGGCAAGGTGGTCATGCCACTTTC
TATGGTGGTGGTGATGCTTCTGGGACAATGGGTGGTGCTTGTGGGTATGGCAATT
TGTATAGCCAAGGGTATGGTACTAACACTGCAGCACTTAGTACTGCTCTGTTCAA
CAATGGCTTGAGCTGTGGAGCTTGCTATGAAATGAGATGTGATAATGATCCTAAA
TGGTGTCTCCCTGGAACCATCACAGTTACTGCTACCAATTTCTGCCCTCCTAACAA
TGCTCTTCCTAATGACAATGGTGGCTGGTGCAATCCTCCTCTCCAACATTTTGATT
TGGCTGAGCCTGCTTTCTTGCAAATTGCTCAATACAGAAGTGGAATTGTACCCAT
CTCTTTCAGAAGGGTCCCCTGTGTGAAGAAAGGAGGGATAAAGTTTCACAGTCAAT
GGACACTCATACTTCAACTTGGTTTTGGTGACAAATGTTGGTGGAGCAGGAGATG
TTCAAGCAGTTTCAATGAAAGGATCTCGGACAGGGTGGCAAGCCATGTCAAGAA
ACTGGGGACAGA ACTGGCAAAGCAATGCAATCCTCAACGGGCAAAGCCTTTCTTT
TCAAGTCACCACAAGTGATGGTAGGACAGTGACAAGCTACGATGTTGCGCCTGCT
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Nucleotide

>MsEXPA-27

AGCAACCAACATTCAATACTACCCTTTCTCTCCTTTTCTTCTTCCCTCAACAAATA
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TTAGCAGCAATTAACATTCTTGTGGGCTGGTCTGAGCAGGGTCCCCTGTGTGAAG
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