

IDENTIFICATION

Species: *Manihot esculenta*

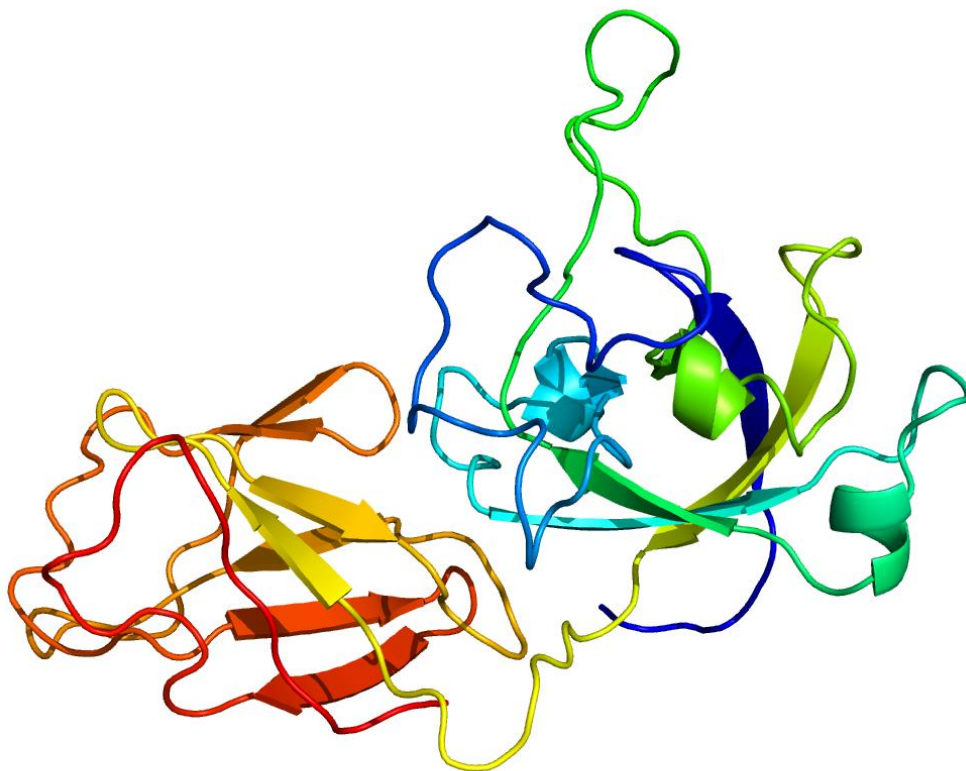
Locus: Manes.02G131900

Gene Model: Manes.02G131900.1

Description: MsEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

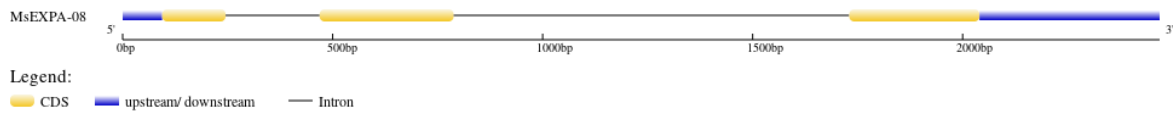
KEGG: <https://www.genome.jp/entry/T05761>

EXTERNAL RESOURCES

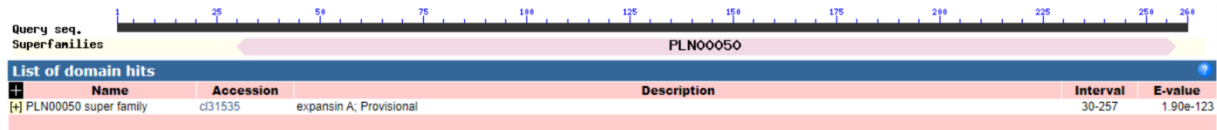
<https://cassavagenome.org/>

<https://cassavabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MsEXPA-08

MAAGTAFYIAALLMSLMWMAEARIPGVYNGGAWQNAHATFYGGADASGTMGGAC
GYGNLYSQYGVNTAALSTALFNGLSCGACFEIKCANDPKWCHAGSPSIFITATNF
CPPNFALPNDNGGWCNPPRPHFDLAMPMLKIAEYRAGIVPVAYRRVPCRKKGGIRF
TINGFRYFNLVLISNVAGAGDIVKVSVKGSRTGWMSMSRNWQNWQSNVAVLVGQS
LSFRLTGSDRRTSTSWNIVPNNWQFGQTFTGKNFRV*

CDS (coding sequence)

>MsEXPA-08

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GCTACTTTCTATGGTGGCGCTGATGCCTCCGGCACCATGGGTGGGGCATGTGGGT
ATGGTAACCTTTACAGCCAAGGCTATGGAGTGAACACTGCAGCACTGAGCACAG
CTCTGTTCAACAATGGACTGAGTTGCGGTGCTTGCTTTGAAATCAAGTGCGCAA
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TTTTGCCACCAAATTTTGCTCTTCCTAATGACAATGGTGGGTGGTGC AACCTCC
TCGCCCCACTTCGACCTCGCCATGCCATGTTCTCAAGATCGCCGAGTACCGC
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CGCAGGTGCAGGGGATATCGTGAAGGTTAGCGTGAAGGGTTCAGGACCGGGTG
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GGTCAGTCACTCTCCTTTAGGCTCACAGGCAGTGACAGACGCACTTCCACTTCAT
GGAACATAGTCCCAAACA ACTGGCAATTTGGTCAAACGTTACAGGGAAGAATTT
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Nucleotide

>MsEXPA-08

AACACTCTCTCTCCTTTCCTTTCTTCTCAGATCATAACGGGAGTGGGTTTTTAGCGT
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