

IDENTIFICATION

Species: *Miscanthus sinensis*

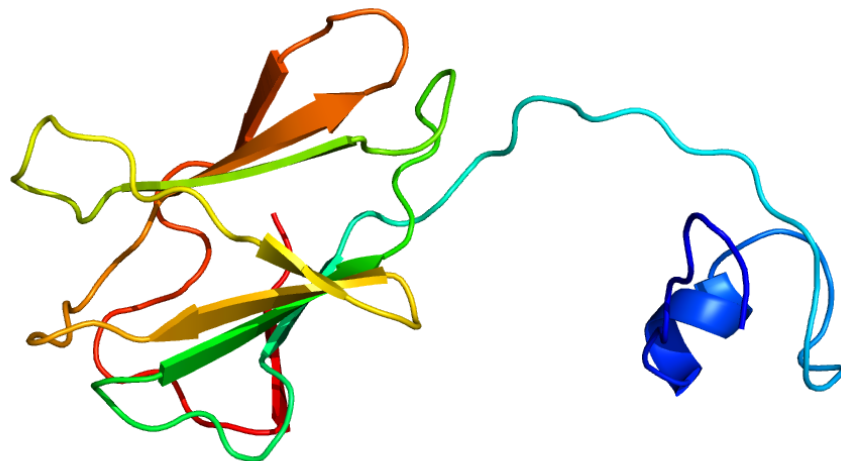
Locus: Misin09G027200

Gene Model: Misin09G027200.1.p

Description: McsEXPA-46

Family: Alpha Expansin

3D structure:



GENOME DATABASES

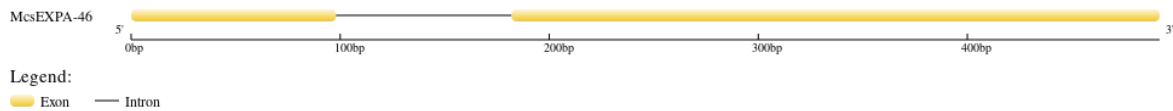
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

EXTERNAL RESOURCES

<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

GENE STRUCTURE



DOMAIN ARCHITECTURE

Query seq. MSGQKGEHFDLTMPAFLKIAKEKVGIVPITYRKVACVRQGSIRYTTITGNPHYNMVMV
TNVGGAGDVVGLSVKGNKRVKWTSMKRSWGQLWTTEVDLTGESLTFRVMTSDHR
KATSWHVPRDSKFDKTYQATKNF*

Superfamilies PLN00050

Name	Accession	Description	Interval	E-value
PLN00050 super family	cI31535	expansin A; Provisional	7-129	5.17e-41

SEQUENCES

Peptide

>McsEXPA-46

MSGQKGEHFDLTMPAFLKIAKEKVGIVPITYRKVACVRQGSIRYTTITGNPHYNMVMV
TNVGGAGDVVGLSVKGNKRVKWTSMKRSWGQLWTTEVDLTGESLTFRVMTSDHR
KATSWHVPRDSKFDKTYQATKNF*

CDS (coding sequence)

>McsEXPA-46

ATGAGCGGGCAGAAGGGCGAGCACTTCGATCTCACCATGCCGGCGTTCCTCAAG
ATTGCCAAGGAGAAGGTCGGCATCGTGCCCATCACCTACCGCAAGGTGGCGTGC
GTGAGGCAAGGCAGCATCCGGTACACGATCACGGGGAACCCGCACTACAACATG
GTGATGGTGACGAACGTCGGTGGCGCCGGGGACGTGGTGGGGCTGTCGGTGAAG
GGCAACAAGCGCGTCAAGTGGACGTCGATGAAGCGCAGCTGGGGCCAGCTCTGG
ACGACGGAGGTCGACCTCACCGGCGAGTCGCTGACGTTCCGCGTCATGACCAGCG
ACCACCGCAAGGCCACCTCCTGGCACGTCGTGCCCGCGACTCGAAGTTCGACAA
GACGTACCAGGCCACCAAGAACTTCTAG

Nucleotide

>McsEXPA-46

ATGAGCGGGCAGAAGGGCGAGCACTTCGATCTCACCATGCCGGCGTTCCTCAAG
ATTGCCAAGGAGAAGGTCGGCATCGTGCCCATCACCTACCGCAAGTACGTAGTAG
TAGTGACGCACTTCCGTATGCATGCGCATCATCTACCGATCTACGTACAAACAAT
TGACACACGCATATGCAGGGTGGCGTGGTGGAGGCAAGGCAGCATCCGGTACAC
GATCACGGGGAACCCGCACTACAACATGGTGTGACGAACGTCGGTGGCGC
CGGGGACGTGGTGGGGCTGTCGGTGAAGGGCAACAAGCGCGTCAAGTGGACGTC
GATGAAGCGCAGCTGGGGCCAGCTCTGGACGACGGAGGTCGACCTCACCGGCGA
GTCGCTGACGTTCCGCGTCATGACCAGCGACCACCGCAAGGCCACCTCCTGGCAC
GTCGTGCCCGCGACTCGAAGTTCGACAAGACGTACCAGGCCACCAAGAACTTCT
AG