

IDENTIFICATION

Species: *Marchantia polymorpha*

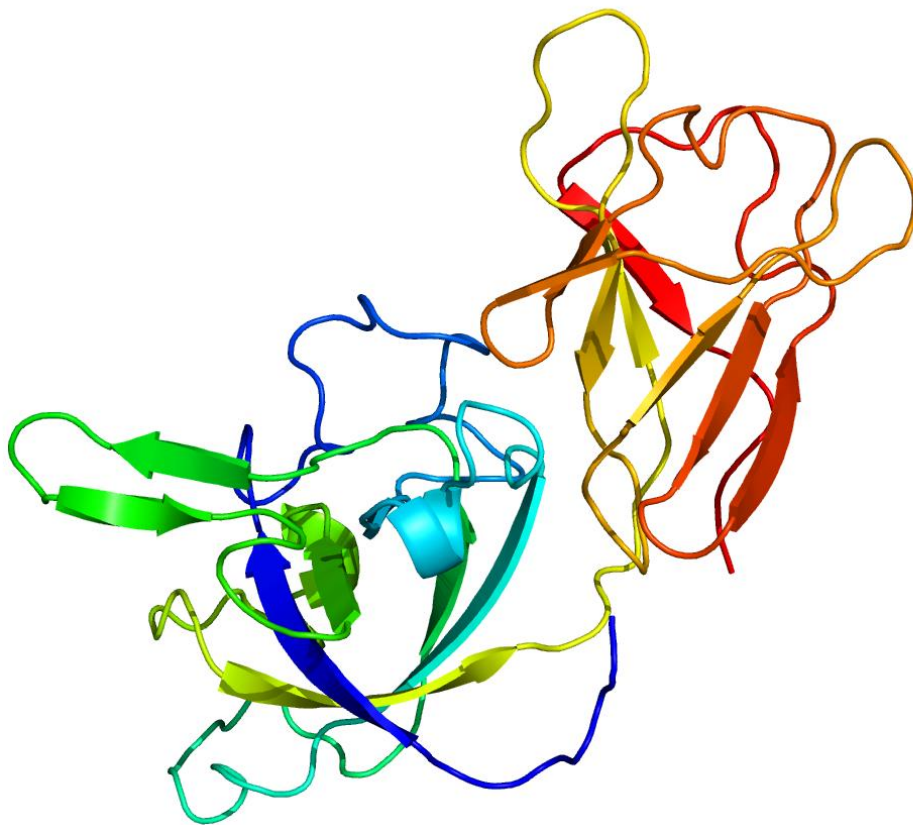
Locus: Mapoly0002s0243

Gene Model: Mapoly0002s0243.1.p

Description: MpoEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1

KEGG:-

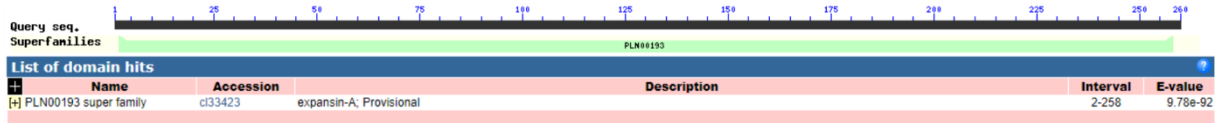
EXTERNAL RESOURCES

<https://marchantia.info/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-01

MMNSV VYALALLCCGAGLALAGEGPYAVFSWTKAHATFYGGDDARGTQGGACGY
GNMYTRGYGVKTVALS YTVFNEGLTCGACFQIKCDLSMKPRWCYANGGIITVTATN
SCPPNWARPTNNGGWCNPPRVHFDLSYPMFAQLAQKVAGIPIQYKRVKCVRS GGIR
FTINGNPYFNIVLVHNVGGYGNVVTLYIKGTNSPWFKMKQNWGANWEDHNKLTNQ
KLSFKATLGTGETMIFKDITGTYWSHGQTYEANNYY*

CDS (coding sequence)

>MpoEXPA-01

ATGATGAATTCGGTGGTCTATGCATTGGCGCTGCTCTGCTGTGGAGCAGGCCTGG
CCCTGGCCGGCGAAGGACCGTATGCAGTTTTCTCTTGGACCAAAGCGCATGCCAC
CTTTTATGGAGGTGATGACGCCCGCGCACTCAAGGAGGAGCTTGC GGGTATGGG
AACATGTACACGAGAGGATATGGAGTGAAGACGGTGGCGCTGAGCTACACGGTG
TTCAACGAGGGGCTGACGTGCGGAGCGTGCTTCCAAATCAAGTGCGATCTGAGCA
TGAAGCCGCGCTGGTGCTACGCCAATGGCGGCATCATCACCGTGACCGCCACCAA
CTCGTGCCCGCCCAACTGGGCCCGCCGACCAACAACGGCGGCTGGTGCAACCCT
CCGCGCGTGC ACTTCGATCTCTCGTACCCCATGTTTCGCCAGCTCGCCAGAAAG
TCGCCGGCATCATCCCATCCAGTACAAGAGGGTGAAGTGCGTGAGGAGCGGAG
GAATTCGGTTCACGATCAACGGGAACCCCTACTTCAACATCGTGCTGGTGACAA
CGTGGGAGGCTATGGAAACGTGGTGACGCTGTACATCAAGGGCACGAACAGCCC
GTGGTTCAAGATGAAGCAGA ACTGGGGCGCGAACTGGGAGGATCACAAACAGCT
CACGAACCAGAAGCTGTCGTTCAAGGCCACGCTGGGCACCGGCGAGACCATGAT
CTTCAAGGACATCACCGGCACCTACTGGAGCCACGGCCAGACCTACGAAGCCAA
CAACA ACTACTACTAG

Nucleotide

>MpoEXPA-01

GCCATGGCGCCATGGATCATTCCCTCGCACGCAAAGTGAGTGATT CAGATGTAT
GCTGTCATAACAATTGTCAAACGACGTCAGCCTATATAGCCCCGTGTGCC TTTCTC
CTGATACAGCAGTGCCTTAAGTAGTCGGTGCCTTCGCCTCTTCCTTCTCTCTCT
CTCCCTCTCCCTCTCTTCTCTGACTTTCTCTTTCTCTCTCTCGCAGGTCTCTCAG
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TCGTGCCCGCCCAACTGGGCCCCGCCGACCAACAACGGCGGCTGGTGCAACCCTC
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TGATGGGCCTCGTCCCAT