

IDENTIFICATION

Species: *Marchantia polymorpha*

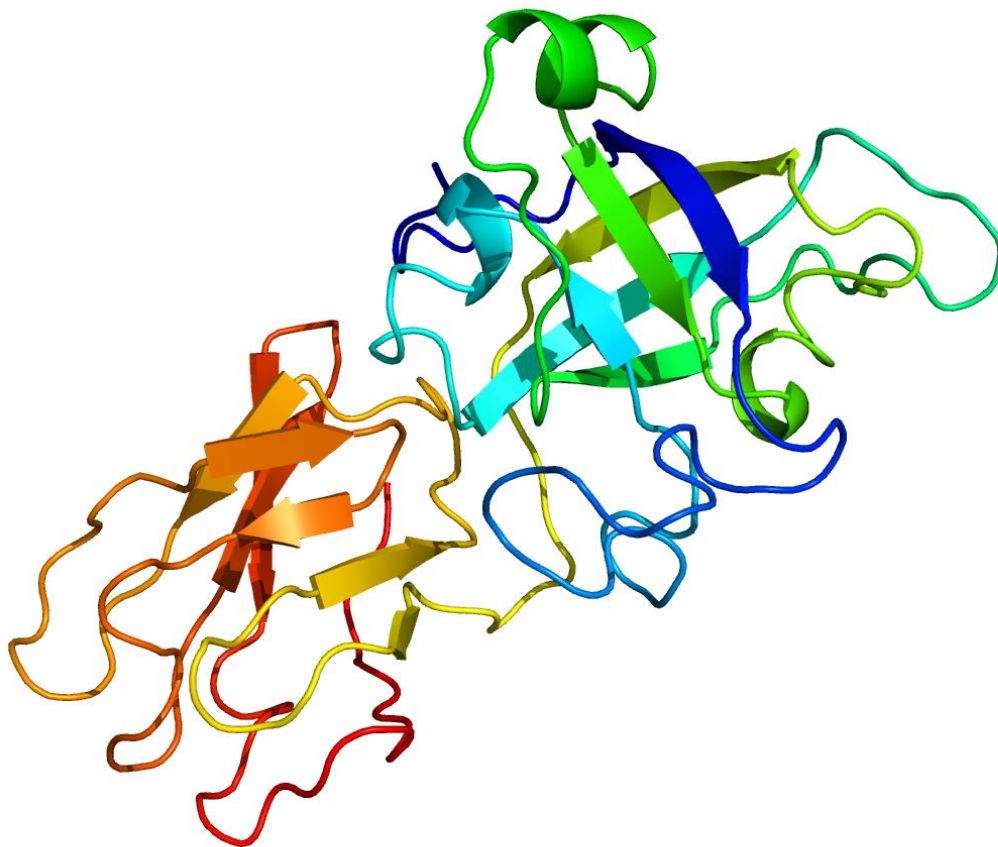
Locus: Mapoly0022s0134

Gene Model: Mapoly0022s0134.1.p

Description: MpoEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

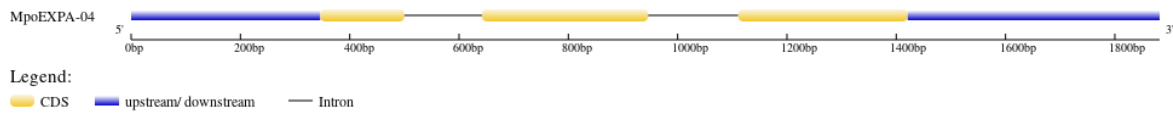
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1

KEGG:-

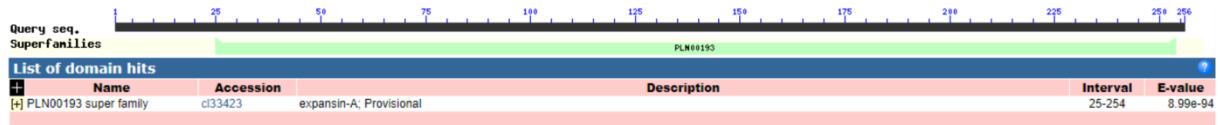
EXTERNAL RESOURCES

<https://marchantia.info/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-04

MASMALQLSLAAILLLLSKVSTVEAVAAWAVTDWGDAAHATFYGGQDASGTMGGA
CGYGNLYSVGYGVSTAALS YAMFNKGLTCGACYELVCKLEGSKYCYPGKSITITATN
SCPPGSEGGWCDPPKLHFDLSYPMFQKLAQPVGGVPIPIKYKRVACA KSGGVRFTIHG
NPYFN YILVHNVAGAGDVSALAIKGEKTGWYYMSQNWGQFWSASANVVGQALSFK
ITLGNVSTEFNSVAPKDWKFGQTFEADNNFK*

CDS (coding sequence)

>MpoEXPA-04

ATGGCATCCATGGCGCTGCAACTCTCGCTCGCGGCGATCCTTCTGCTGCTCAGCA
AGGTGTCCACGGTCGAGGCCGTGGCCGCCTGGGCCGTCACAGACTGGGGTGACG
CCCACGCCACATTCTATGGCGGACAGGACGCTTCCGGCACCATGGGGTGGTGCTTG
CGGGTATGGCAATCTCTACTCCGTCGGGTACGGAGTGTCGACCGCCGCGTTGAGC
TATGCGATGTTCAACAAAGGTCTGACCTGCGGAGCTTGCTACGAACTCGTGTGCA
AGCTGGAAGGCAGCAAGTACTGCTACCCCGGCAAGAGCATCACCATCACTGCCA
CCAATTCGTGCCACCCGGCTCTGAGGGAGGATGGTGCGATCCCCCAAAGCTCCA
CTTTGACTTGTCTACCCCATGTTTCAGAAGCTCGCCCAGCCGTCGGCGGTGTCA
TCCCACATCAAGTACAAAAGAGTTGCCTGCGCCAAGTCCGGAGGAGTCCGATTAC
CATCCACGGCAACCCCTACTTCAACTACATTCTGGTGCACAACGTCGCAGGTGCA
GGAGATGTGTCTGGCGCTGGCGATCAAGGGCGAGAAGACCGGGTGGTACTACATG
AGCCAGAACTGGGGGCAATTCTGGTTCGGCCAGCGCGAATGTCGTGGGTGAGGCA
TTGTCGTTCAAGATTACGCTAGGAAATGGTGTTCACGGAATTCTCGAACGTGG
CGCCAAGGACTGGAAATTCGGCCAGACCTTCGAAGCCGACAACAATTTTAAATA
G

Nucleotide

>MpoEXPA-04

AGCAGGGATGATTCCATTTTGTATTTAGTCGTTCCCTCCCCACTTCTTGAACGTT
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GGGGCTGGGGTCGGGGAATTTAGCTGGGATGGGAATTTCTGCATTCACCTTCATG
TCGGCCGACCGTGGCTTGAGTCCACGAGCCTGATTTTCAGCTCTCCTCACACCGC
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CTGCTGCTCAGCAAGGTGTCCACGGTTCGAGGCCGTGGCCGCCTGGGCCGTACAG
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AATTCTTATTCGGCAGGATTGGAAATTGTTCTTTCAGGGCAACAAACAATGGCGC
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CAGCAAGTACTGCTACCCCGGCAAGAGCATCACCATCACTGCCACCAATTCGTGC
CCACCCGGCTCTGAGGGAGGATGGTGCATCCCCAAAGCTCCACTTTGACTTGT
CCTACCCCATGTTTCAGAAGCTCGCCCAGCCCGTCGGCGGTGTCATCCCCATCAA
GTACAAAAGGTGCATAGCCGAACTTCAATCCCTGAGTTTCCGCCGAATTCCTACT
CACGTACCATAGCTCGATTCGTGGCCATGCACAGCACGTCGAAATGTGAAATTGT
AAATCGTAGAATCGTGGAATCGTAAATTGCGTTGCTAAAAGTGGGCATTTTGAGT
TGATTCCAGAGTTGCCTGCGCCAAGTCCGGAGGAGTCCGATTCACCATCCACGGC
AACCCTACTTCAACTACATTCTGGTGCACAACGTCGCAGGTGCAGGAGATGTGT
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