

IDENTIFICATION

Species: *Marchantia polymorpha*

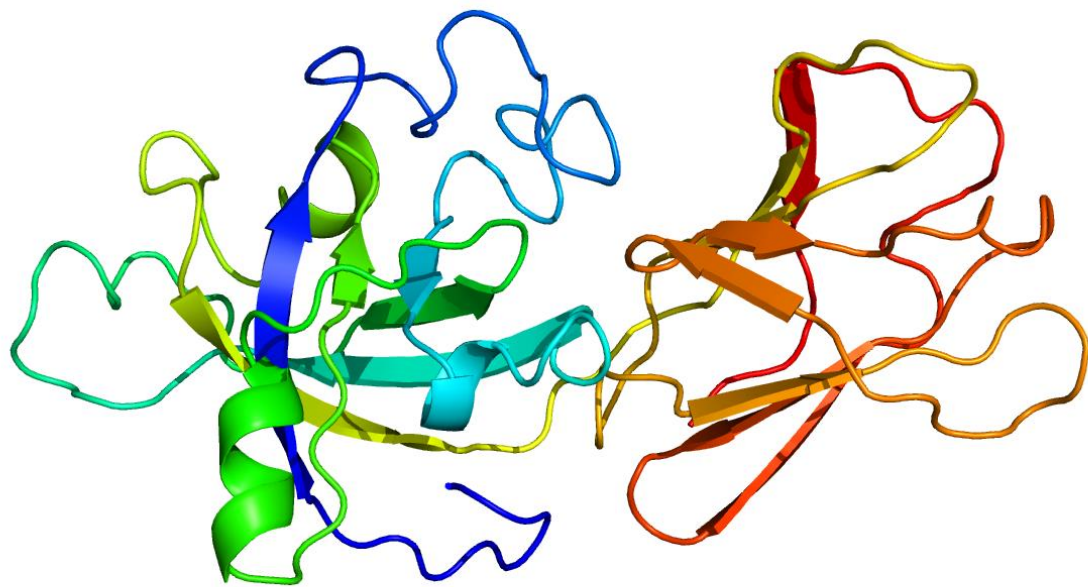
Locus: Mapoly0137s0020

Gene Model: Mapoly0137s0020.1.p

Description: MpoEXPA-34

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

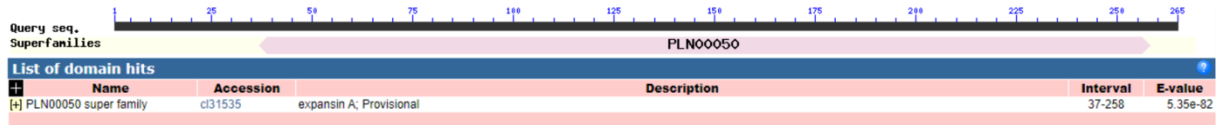
EXTERNAL RESOURCES

<https://marchantia.info/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-34

MAQISTRSLFVVLATILVAISNAVPSNAADSRIVATTFMDAKATYYGGNDASGTMN
GGCGYANPFALGYGDQTVLSTALWNKGLTCGACFEIKCKISATAYAKKWCYPKA
GSIKITATNLCPPGSHGGWCDPPKSHFDLAYAAFTRLANFQAGVIPIQYRRTPCRKNG
GVKFSMNGNPNYWHLVLVHNVAGGGNVHAMQIKGSRTGFMQMKQNWGQNWEAY
CNLVGQSVTFKVTLLGNGRTVTFWNAVASNWKFGQTYQTKYNF*

CDS (coding sequence)

>MpoEXPA-34

ATGGCACAGATTTCTACCAGGAGCCTGTTTCGTTGTGCTGGCCACAATTCTCGTGG
CCATCAGCAATGCTGTCCCGTCTAATGCTGCAGATTCCAGAATTGTGGCTACTAC
CACTTTCATGGATGCAAAAGCTACCTACTATGGTGGCAACGACGCTTCTGGGACC
ATGAACGGTGGATGCGGCTATGCCAATCCCTTCGCTTTGGGATATGGTGATCAGA
CTGTAGCTCTAAGCACAGCCCTCTGGAATAAGGGACTCACTTGCGGTGCCTGTTT
TGAGATAAAGTGCAAGATTAGTGCCACTGCTTATGCCAAGAAATGGTGCTATCCT
AAGGCTGGATCTATCAAATCACTGCAACTAACTTATGTCCTCCTGGTTCTCATGG
AGGGTGGTGTGATCCACCCAAAAGCCATTTTCGATTTGGCATATGCTGCGTTCACC
CGCCTGGCCAACTTCCAAGCTGGTGTCCATCCCATCCAATACCGCAGGACACCCT
GCCGAAGAATGGAGGAGTCAAGTTCGATGAACGGAAACCCCTACTGGCACC
TTGTGCTCGTGACAATGTGGCAGGCGGGGAAATGTGCATGCCATGCAAATCAA
GGGGTCGAGAACCGGTTTCATGCAAATGAAGCAAAACTGGGGCCAAAACCTGGGA
GGCCTACTGTAACCTCGTCGGTCAGTCCGTTACATTCAAGGTCCTCTGGGGAAC
GGCAGAACTGTGACATTCTGGAATGCTGTAGCATCCAACCTGGAAATTCGGCCAAA
CTTATCAGACGAAATACAACCTTCTAG

Nucleotide

>MpoEXPA-34

CGGCGGTGCTACATCATGGACGGGATTTGCAGGCCTCCTCAGGAACCGGTGTCTC
TAGCGCCACGAGGTGTCTGTTGACATTGGTATGCGCCTTGAGCGACTCGGGAGA
CCGTGATGTGCGCGGCGGCCTAAAGGTTTGCTCACTCGCTGAGAAAAGAAGGGC
CAAACCTGCAGCATGATTTGCAAAAATGGCGGTTGCGCAGGAACCGGAGAAGGCG
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AGCAGCAACAGCTACAACAGCTGGTTGGGGTCTCCTCAGGTATGCTTCCGCTCCA
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AGTGGCAATCGACGTAATGTGTGATCAGTCGATTGTACAGGACTTCTACTATCT
CCTTGCGCTTTCAATTATACCCTCAGTTGGCAGTAGTTCGGCTTGGGTGGTTCTGA
AATCCTCTCAAATAATTGACAGAGAGCTTTCACGTTTGCAGGAAAATGGCACAGA
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ATCAATGTCGTGCAGACGGTGGATGCGGCTATGCCAATCCCTTCGCTTTGGGATA
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