

## IDENTIFICATION

**Species:** *Marchantia polymorpha*

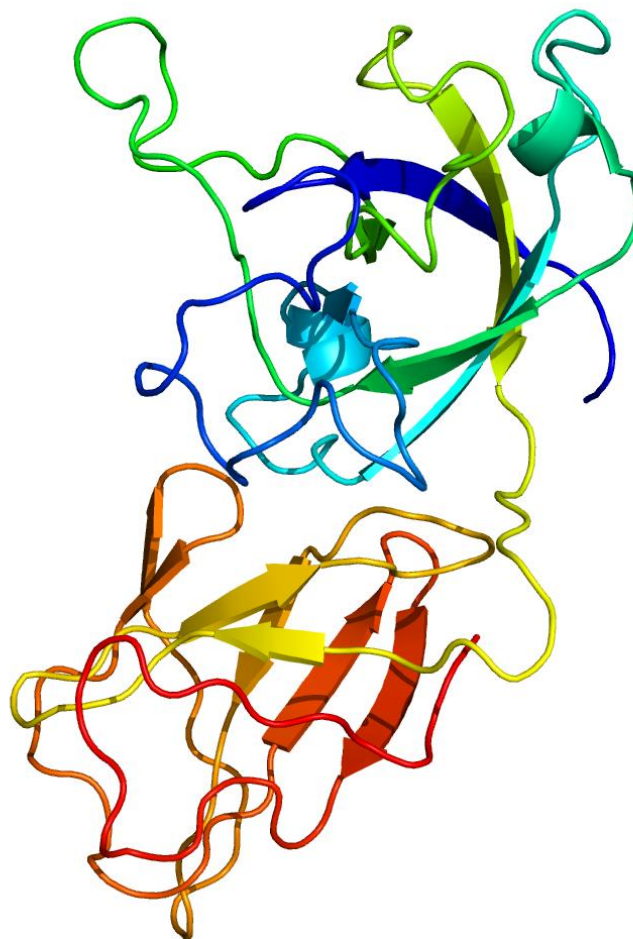
**Locus:** Mapoly0085s0052

**Gene Model:** Mapoly0085s0052.1.p

**Description:** MpoEXPA-21

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

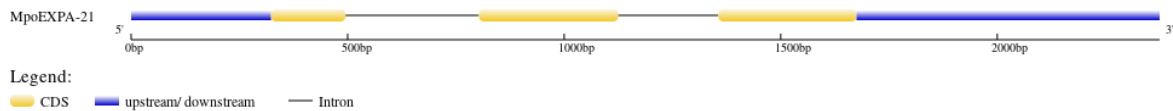
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Mpolymorpha\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1)

KEGG:-

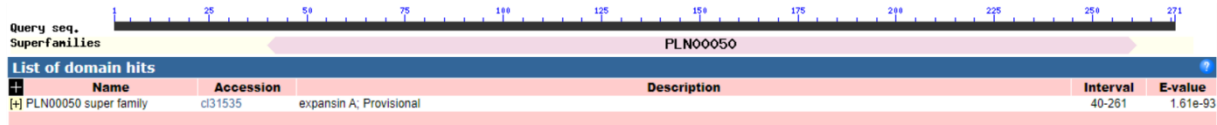
## EXTERNAL RESOURCES

<https://marchantia.info/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MpoEXPA-21

MKSLFDSCMLGVGILVSALLMSEPAFVTAGGPFAALTWTDSHATFYGGNDGSGT  
MGGACGYGNMYSRGLKTAALSSTLFNGLSCGACFELKCKVAESRWCYANAGS  
ITVTATNLCPANPARPTNNGGWCNPPRTHFDLAYAMFIIMAKPVGGIIPVQYRRVSCV  
KTGGVRFTLNGNPWFNLVLVYNVAGDGNVVTIKMKGSKSNTWYPMKHNWGQNW  
ELKQKLAGQALSFLTTGYGKTMFTFNCAAANWQFGQTYEADGNFGGL\*

### CDS (coding sequence)

>MpoEXPA-21

ATGAAGAGTTTATTCGACAGCTGCAAAATGTTGGGAGTTGGCATTTTGGTGAGTG  
CTTTACTGCTGATGTCCGAGCCAGCTTTTGTAACTGCTGGGGGACCATTTCGCAGCT  
TTAACATGGACAGATTCACATGCGACATTCTACGGAGGAAATGATGGATCTGGAA  
CAATGGGTGGAGCATGTGGATACGGGAACATGTACTCAAGAGGCTATGGATTGA  
AGACAGCCGCTTTAAGTTCAACCCTTTTTAACAACGGCTTGAGCTGTGGAGCCTG  
CTTCGAGCTCAAGTGCAAAGTGGCAGAATCGAGGTGGTGCTATGCCAACGCTGGC  
TCCATCACTGTCACTGCAACCAATCTTTGTCCCGCAAACCCAGCGAGACCCACCA  
ACAACGGAGGATGGTGCAACCCGCCAGGACACATTTTCGATTTGGCTTACGCCAT  
GTTCAATTATCATGGCCAAACCAGTCGGCGGCATCATCCCCGTCCAATACAGGAGG  
GTGTCCTGCGTGAAAACAGGAGGAGTGCATTACATTGAACGGGAACCCGTGG  
TTCAACCTCGTCTTGGTGTACAATGTTCGCGGGAGACGGAAACGTCGTGACCATCA  
AGATGAAGGGCTCGAAGTCCAACACGTGGTACCCAATGAAGCACAACACTGGGGAC  
AGAATTGGGAGCTGAAGCAGAAGCTGGCAGGTCAAGCCCTTTCATTCCAATTAAC  
GACCGGATACGGGAAGACCATGACCTTCACGAACACTGCGCCGCTGCCAATTGGCA  
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### Nucleotide

>MpoEXPA-21

TCAAAAAGTTCCTCAAGTACTCACTCTTACAGTGTCGAGGCTCTTTGATCTGGTGT  
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