

## IDENTIFICATION

**Species:** *Marchantia polymorpha*

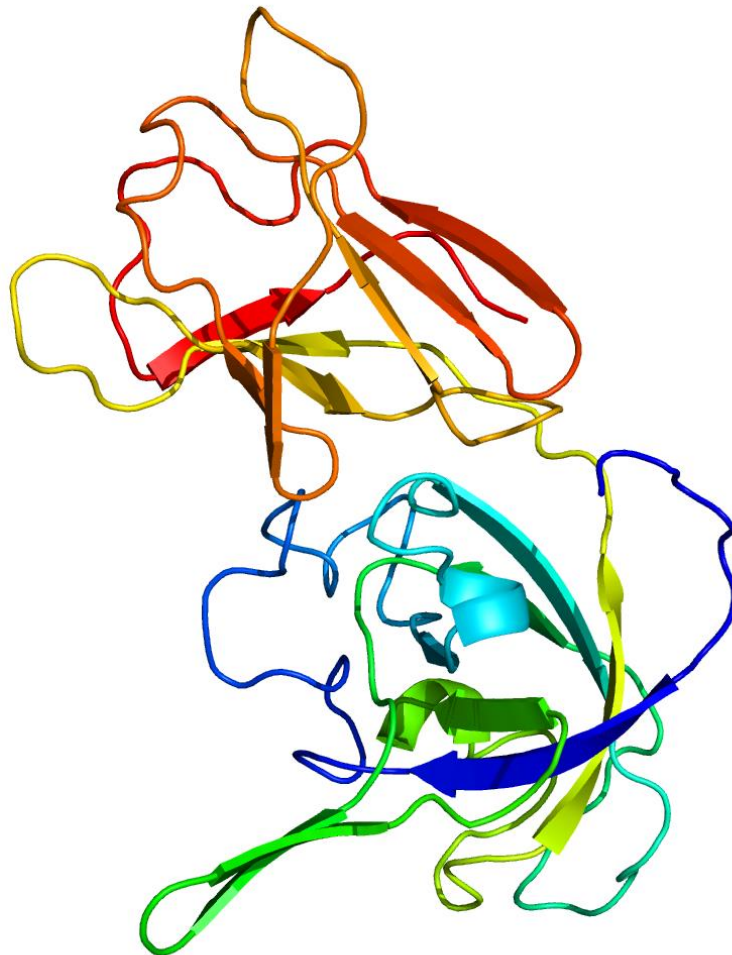
**Locus:** Mapoly0085s0053

**Gene Model:** Mapoly0085s0053.1.p

**Description:** MpoEXPA-22

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

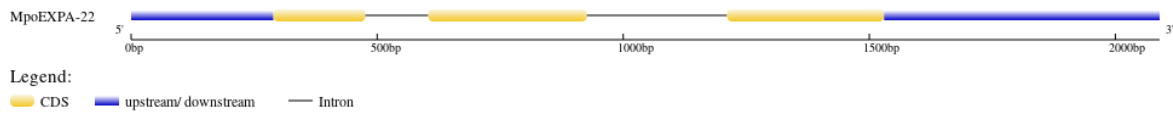
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Mpolymorpha\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1)

KEGG:-

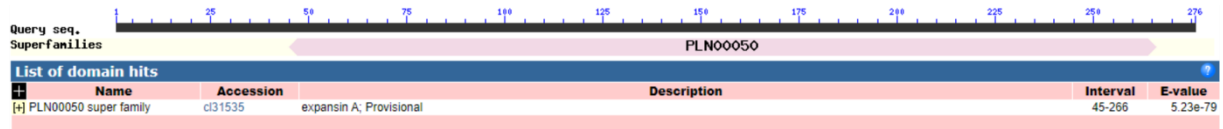
## EXTERNAL RESOURCES

<https://marchantia.info/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MpoEXPA-22

MVRLPDNMLTFGIGIGIVCTLSTVMRVECIPELISSEPPYAARTWMDAHATFHGGS AV  
ADTMGGACGYGNLISRGYGLHTSALSSSLFN SGLTCGACFKVRCKAASSMRCHATA  
GSITVTATDL YSENLATLIEDERRSNPSQPQFDLAVSAFQMLARPMVGLPIEYQRVPC  
EKEGGIRFTLNGNSWFNLVLVHNVGGDGNVVA VQVKGSRASSWSMMNRRWGQNW  
ELRENLQGQILSFRITTFGFGKTVLLPDVAQADWRFGQTYESEGNFSGW\*

### CDS (coding sequence)

>MpoEXPA-22

ATGGTGAGATTACCCGACAACATGCTCACCTTCGGTATCGGTATCGGTATCGTGT  
GTACGCTGAGCACTGTCATGCGCGTTGAGTGCATCCCAGAGTTGATCAGCTCTGA  
ACCACCTTACGCTGCGAGGACGTGGATGGATGCGCATGCAACGTTTCATGGAGGG  
AGTGCCGTCGCTGACACAATGGGTGGAGCTTGTGGTTATGGAAATTTGATATCTA  
GGGGCTACGGCTTGCACACATCAGCTCTGAGTTCATCCCTTTTCAACAGTGGATT  
GACCTGCGGAGCATGTTTCAAGGTCAGATGTAAAGCGGCTTCGTCGATGCGATGC  
CATGCAACTGCTGGTTCTATCACGGTGACTGCCACCGACCTTTACTCTGAGAATCT  
CGCCACTCTCATCGAAGATGAACGACGGAGTAACCCATCCCAACCGCAATTCGAT  
CTAGCCGTCAGCGCGTTCCAAATGCTGGCCAGACCCATGGTCGGATTGATTCCTA  
TTGAATATCAAAGAGTGCCATGTGAGAAGGAGGGAGGAATCAGATTCACACTGA  
ACGGCAACTCGTGGTTCAACCTCGTTTTGGTGCACAATGTTGGAGGAGATGGTAA  
CGTCGTTGCTGTTCAAGTCAAGGGCTCGAGAGCCAGCAGCTGGTCGATGATGAAC  
CGGAGGTGGGGTCAAACACTGGGAGCTGAGGGAAAATCTTCAAGGACAGATCCTT  
TCCTTTCGGATCACCACCGGTTTCGGAAAGACTGTGCTACTGCCCGACGTCGCAC  
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GTGA

### Nucleotide

>MpoEXPA-22

GCTTCTTCGTTGGACTCTCGAGCTTTCCTCAGCTTCCAGAGTTCTCTGAGTTCTGT  
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CGTAATAAATGGATTCTCCTATAAAGAATGATTCCACAACCCAGAAATTACAGA