

## IDENTIFICATION

**Species:** *Selaginella moellendorffii*

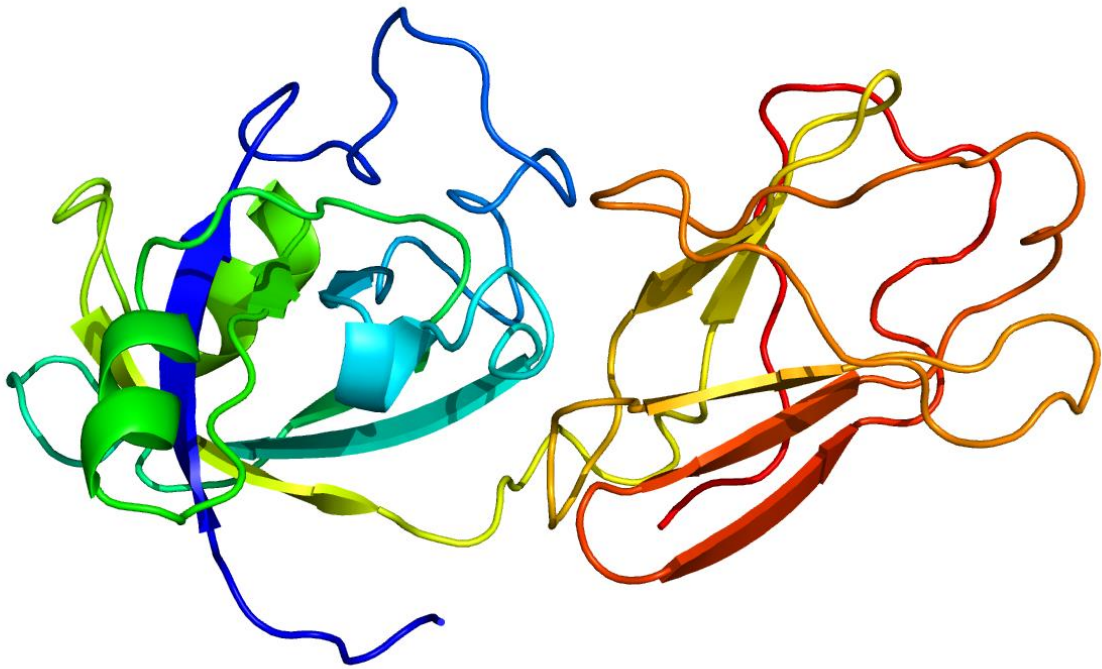
**Locus:** 91129

**Gene Model:** 91129

**Description:** SmEXPA-06

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

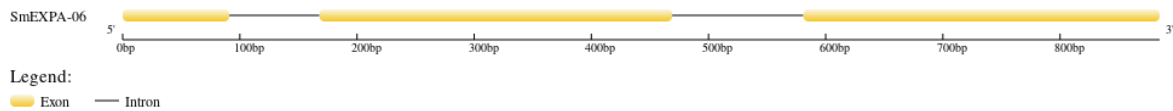
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Smoellendorffii\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0)

KEGG: <https://www.genome.jp/entry/T01496>

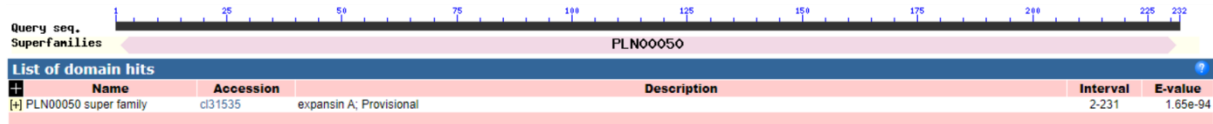
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SmEXPA-06

MLLRRVHGDGGWLDGAHATYYGGSDASGTNNGACGYGNQLSAGYGYITTALSTPL  
FENGDICGACFEIRCAGGAGCLPGNPSTVVTATNLCPPGSNNGWCDPPKPHFDLSQPA  
FSRIASIPNGHVQLQYRRVACDRQGGIRFTVNGHTFFNLVLVENVGSGDVVAVEVK  
GSATGWRQMQRNWGQNWQDMGDLNGQALSFRVTGSDGKVVTSMNVAPADWQFG  
RTYSGGQF\*

### CDS (coding sequence)

>SmEXPA-06

ATGCTCCTGCGGCGAGTGCATGGAGATGGAGGCTGGCTGGACGGAGCGCACGCA  
ACTTACTACGGAGGGAGCGATGCGTCCGGGACAAACAATGGAGCTTGC GGCTAT  
GGAAACCAGCTGAGCGCCGGCTACGGCTACATCACCACCGCCCTGAGCACTCCG  
TCTTCGAAAACGGCGACATCTGCGGAGCGTGCTTCGAGATCCGGTGCGCCGGTGG  
CGCGGGATGCCTGCCGGGCAATCCCTCCACCGTCGTCACCGCCACGAATCTCTGC  
CCCCAGGGAGCAACGGTGGCTGGTGCACCCGCCCAAGCCCCACTTCGACCTCT  
CGCAGCCCGCATTAGCAGGATCGCGAGCATCCCGAATGGCCACGTTTCAGCTCCA  
ATACAGGAGAGTTGCGTGCGATAGGCAAGGGGGGATTCGCTTCACGGTCAACGG  
CCACACCTTCTTCAACCTTGTCTGGTGGAGAACGTTGGCGGTAGCGGCGACGTG  
GTGGCAGTGGAGGTGAAGGGCTCCGCCACCGGTGGCGGCAAATGCAGAGGAAC  
TGGGGCCAGAACTGGCAAGACATGGGCGACCTTAACGGCCAGGCGCTCTCCTTTC  
GGGTCACCGGGAGCGATGGGAAGGTGGTCACGTCCATGAATGTGGCTCCCGCGG  
ACTGGCAGTTTGGGAGAACTTACAGCGGCGGCCAGTTCTGA

### Nucleotide

>SmEXPA-06

ATGCTCCTGCGGCGAGTGCATGGAGATGGAGGCTGGCTGGACGGAGCGCACGCA  
ACTTACTACGGAGGGAGCGATGCGTCCGGGACAAACAGTGAGATCCCTTGAAAA  
CCTCCCCTGTTCTATTCTTCTGGTTTCTCATTCGCATTCTCTTTCCTCTCCTTGCC  
AGATGGAGCTTGC GGCTATGGAAACCAGCTGAGCGCCGGCTACGGCTACATCAC  
CACCGCCCTGAGCACTCCGCTCTTCGAAAACGGCGACATCTGCGGAGCGTGCTTC  
GAGATCCGGTGCGCCGGTGGCGCGGGATGCCTGCCGGGCAATCCCTCCACCGTCG  
TCACCGCCACGAATCTCTGCCCCCAGGGAGCAACGGTGGCTGGTGGCAGCCGCC  
CAAGCCCCACTTCGACCTCTCGCAGCCCGCATTTCAGCAGGATCGCGAGCATCCCG

AATGGCCACG TTCAGCTCCAATACAGGAGGTAAGAGAGAGCGCTCACTCACTGCT  
TAACTCACTCACTCTCACTCAGCTGACTAAATGACTTGAGTCGTTGACTAGTTCAC  
CTTTTGACTTGACGATGACTATCAATGCAGAGTTGCGTGCGATAGGCAAGGGGGG  
ATTCGCTTCACGGTCAACGGCCACACCTTCTTCAACCTTGTCCTGGTGGAGAACGT  
TGGCGGTAGCGGCGACGTGGTGGCAGTGGAGGTGAAGGGCTCCGCCACCGGGTG  
GCGGCAAATGCAGAGGAACTGGGGCCAGA ACTGGCAAGACATGGGCGACCTTAA  
CGGCCAGGCGCTCTCCTTTCGGGTCACCGGGAGCGATGGGAAGGTGGTCACGTCC  
ATGAATGTGGCTCCCGCGGACTGGCAGTTTGGGAGAACTTACAGCGGCGGCCAGT  
TCTGA