

## IDENTIFICATION

**Species:** *Selaginella moellendorffii*

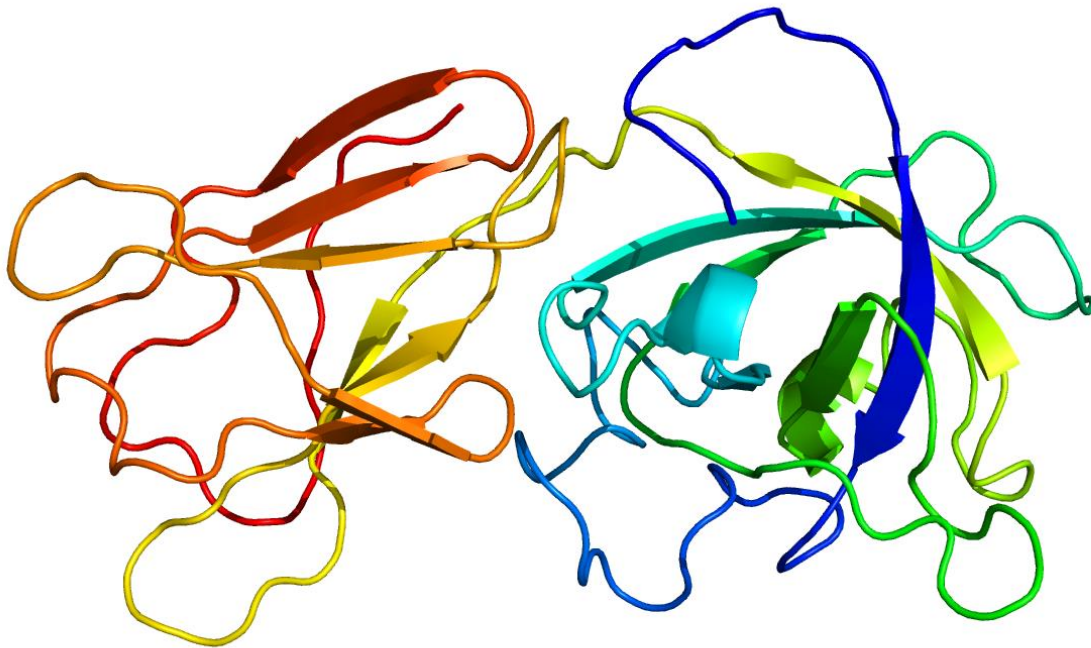
**Locus:** 231226

**Gene Model:** 231226

**Description:** SmEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

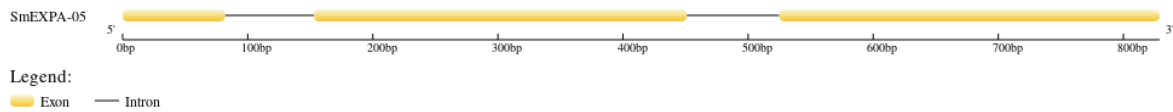
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Smoellendorffii\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0)

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

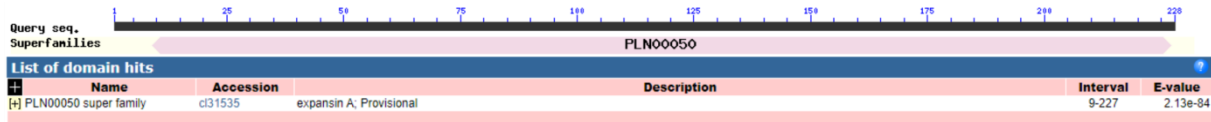
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SmEXPA-05

MPGARGDGGWLD AHATYYGGSDASGTNNGACGYGNQLSAGYGYITTALSTPLFEN  
GDICGACYEIRCAGTGCLPRNPSTVV TATNLCPPGSNGGWCDPPKQHF DLSQPAFSQI  
ASIPYGHVLLQYRRVPCQRQGA IHYTINGHTFFNLVLIENVGGSGDVVGVEIKGSNTN  
WMPMARNWGWQNMIGGNLGGQSL SFRVTGSDGRKVTSLNVAPANWQFGRAYSGG  
QF\*

### CDS (coding sequence)

>SmEXPA-05

ATGCCAGGAGCTCGCGGCGATGGCGGATGGCTAGATGCTCACGCGACGTACTAT  
GGAGGAAGCGATGCCTCGGGA ACTAACAATGGAGCTTGC GGCTATGGAAACCAG  
CTGAGCGCCGCTATGGCTACATCACC ACTGCCCTCAGCACCCCGCTCTTCGAAA  
ACGGCGACATTTGCGGCGCTTGCTATGAGATTCGCTGCGCGGGCACGGGATGCCT  
CCCGAGAAATCCTTCCACCGTCGTCACCGCTACCAATCTCTGTCTCCGGGGAGC  
AATGGCGGCTGGTGC GATCCGCCCAAGCAGCACTTTGATCTCTCGCAGCCGGCCT  
TCTCCCAGATCGCCAGCATTCCCTATGGTCACGTCCTCCTCCAGTACCGCAGAGTG  
CCGTGCCAAAGGCAAGGTGCCATCCACTACACGATCAATGGGCACACCTTCTTCA  
ATCTGGTGCTGATCGAGAATGTAGGCGGCAGCGGCGATGTCGTGGGCGTGGAAA  
TCAAAGGCTCAAACACCAATTGGATGCCCATGGCAAGGAATTGGGGCCAGA ACT  
GGATGATCGGGGGCAACCTTGGCGGT CAGAGCCTCTCGTTTAGGGT CACCGGCAG  
CGATGGCCGCAAGGTCACCTCGCTCAACGTCGCGCCGGCGAACTGGCAATTTGGT  
AGAGCCTACAGTGGTGGCCAGTTCTAA

### Nucleotide

>SmEXPA-05

ATGCCAGGAGCTCGCGGCGATGGCGGATGGCTAGATGCTCACGCGACGTACTAT  
GGAGGAAGCGATGCCTCGGGA ACTAACAGTAAGCGATAAAAGAAACAGAGAATT  
CAATTCCTTCTTACCACGCCCCCGTTTCATTCCTCTCCAGATGGAGCTTGC  
GGCTATGGAAACCAGCTGAGCGCCGGCTATGGCTACATCACC ACTGCCCTCAGCA  
CCCCGCTCTTCGAAAACGGCGACATTTGCGGCGCTTGCTATGAGATTCGCTGCGC  
GGGCACGGGATGCCTCCCGAGAAATCCTTCCACCGTCGTCACCGCTACCAATCTC  
TGTCCTCCGGGGAGCAATGGCGGCTGGTGC GATCCGCCCAAGCAGCACTTTGATC  
TCTCGCAGCCGGCCTTCTCCCAGATCGCCAGCATTCCCTATGGTCACGTCCTCCTC

CAGTACCGCAGGTAAGCGAGACAGATAATCGATCCACCGCAAGAGCCCCTCCTA  
AAATCGCCTGTGATGTGCTGTGATGATCTAGAGTGCCGTGCCAAAGGCAAGGTGC  
CATCCACTACACGATCAATGGGCACACCTTCTTCAATCTGGTGCTGATCGAGAAT  
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CGCTCAACGTCGCGCCGGCGAAGTGGCAATTTGGTAGAGCCTACAGTGGTGGCCA  
GTTCTAA