

## IDENTIFICATION

**Species:** *Sphagnum fallax*

**Locus:** Sphfalx0021s0071

**Gene Model:** Sphfalx0021s0071.1.p

**Description:** SfEXPA-13

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

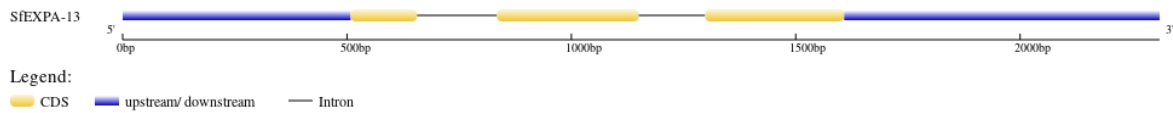
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sfallax\\_v0\\_5](https://phytozome-next.jgi.doe.gov/info/Sfallax_v0_5)

KEGG:-

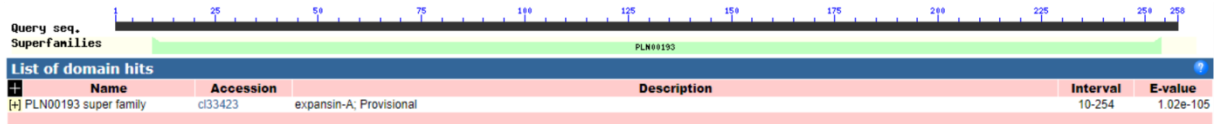
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SfEXPA-13

MARFISIVCSSLVAALVLLQQLANAQLDTGPWQQAHATFYGGSDAAGTMGGACGY  
GNLYGAGYGTNTAALSTVLFNNGERCACGCFQIQCYGSRWCLPGYRSVTVTATNFCP  
PNPWEASDNGGWCNVPRPHFDMAVPAFLQLAEYVGGIVPVNYRRVPCVKSSGIRFT  
VNGNPWFDLVLVTNVAGAGDVTAVSIRGGYGPWIRMSRNWQNWQSNANLVGKS  
LSFIVTTS DGRQVVSTNAALS NWYFGQTFEGSQFST\*

### CDS (coding sequence)

>SfEXPA-13

ATGGCGCGATTTCATCTCGATAGTTTGCAGTTCGCTTGTAGCAGCATTGGTCTTGTT  
ACAGCAGCTCGCGAATGCACAACACTAGACACAGGCCCTGGCAGCAAGCGCACGC  
TACATTCTACGGCGGTAGCGACGCTGCTGGAACAATGGGTGGTGCATGTGGATAT  
GGCAATCTGTATGGTGCAGGATATGGTACCAACACAGCAGCTTTGAGCACAGTCC  
TTTTCAACAACGGAGAGAGGTGCGGAGCCTGCTTCCAGATCCAATGCTACGGGAG  
CAGATGGTGGCTTGCCCTGGTTATCGTAGCGTCACAGTAACTGCAACTAATTTTTGCC  
CACCCAATCCTTGGGAAGCCAGCGACAACGGAGGATGGTGCAACGTCCCCAGGC  
CGCACTTCGATATGGCCGTGCCTGCGTTCCTTCAGCTTGCGGAATACGTCGGCGG  
CATTGTACCTGTCAACTACAGAAGGGTCCCATGCGTGAAGAGCGGAGGGATTTCG  
TTCACCGTCAACGGGAATCCATGGTTCGATTTGGTCTTGGTGACCAACGTTGCCG  
GCGCTGGAGATGTGACGGCAGTGTCTATCAGAGGAGGCTATGGACCTTGGATTTCG  
GATGAGCCGCAATTGGGGCCAGAACTGGCAATCCAATGCCAACTTGGTAGGCAA  
GAGCTTGTCTTCATTGTCAACCACAGCGATGGCAGACAAGTCGTGTCTACAAC  
GCCGCTCTATCCAACCTGGTATTTTCGGTCAAACATTCGAAGGCTCTCAGTTCTCAAC  
TTAG

### Nucleotide

>SfEXPA-13

GCAGCAGCAGCGGCATTCAACAGCTCTTGTAGCATCAGACCACAGCTCAAGTTCT  
TATCAGCAGTAGATTCTGCTAGCAGGCAACTGGTACATTAAGATGCTGCTGTGAT  
AAGAGTTTGAAC TTTGAAGTCTTCTAATATTCATCATCTCCAAGGCCGTGTGACT  
TAGGTTTTTGCAGAATCAACGTACCCCGCTGTAAGCCACTTCTCTTCTGAACTTT  
GATCTATATCAGAAGGTGGTAGTGATCACTTCAGATAGAAATGTTTTGTTTTGGC

ATATTCAACGTATAGTGAACCCCATGATTCAAGCTGAATACATCTGCGAATCAC  
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CCAGATCCAATGCTACGGGAGCAGATGGTGCCTTGCCTGGTTATCGTAGCGTCACA  
GTAAGTCAACTAATTTTTGCCACCCAATCCTTGGGAAGCCAGCGACAACGGAG  
GATGGTGC AACGTCCCCAGGCCGCACTTCGATATGGCCGTGCCTGCGTTCCTTCA  
GCTTGC GGAATACGTCCGGCGGCATTGTACCTGTCAACTACAGAAGGTGGGAAGG  
AATTCTTCTCAGTACACTGGGTGCCCATGACCCAAC TTTGTTGTTGTAGACTGTAG  
CATAAATCGACAACGAGAAGGTTTGGGGACCGTCAGGAATTAGTGTGTCTCTGA  
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ATATCTGCTCTTGGCTCCCTGGGGTTGTAAGTTGCTGGATCTAATTTACCTGGCAG  
TATGAATAATTTTGAAGAACTCCACAGCTAGCTGGGGGTTTGTATCAAAGAATAAA  
GAAGTATGGCTACAAAACCTTTGTTTTTTTTGGTCAAGTGGTGAG