

IDENTIFICATION

Species: *Physcomitrium patens*

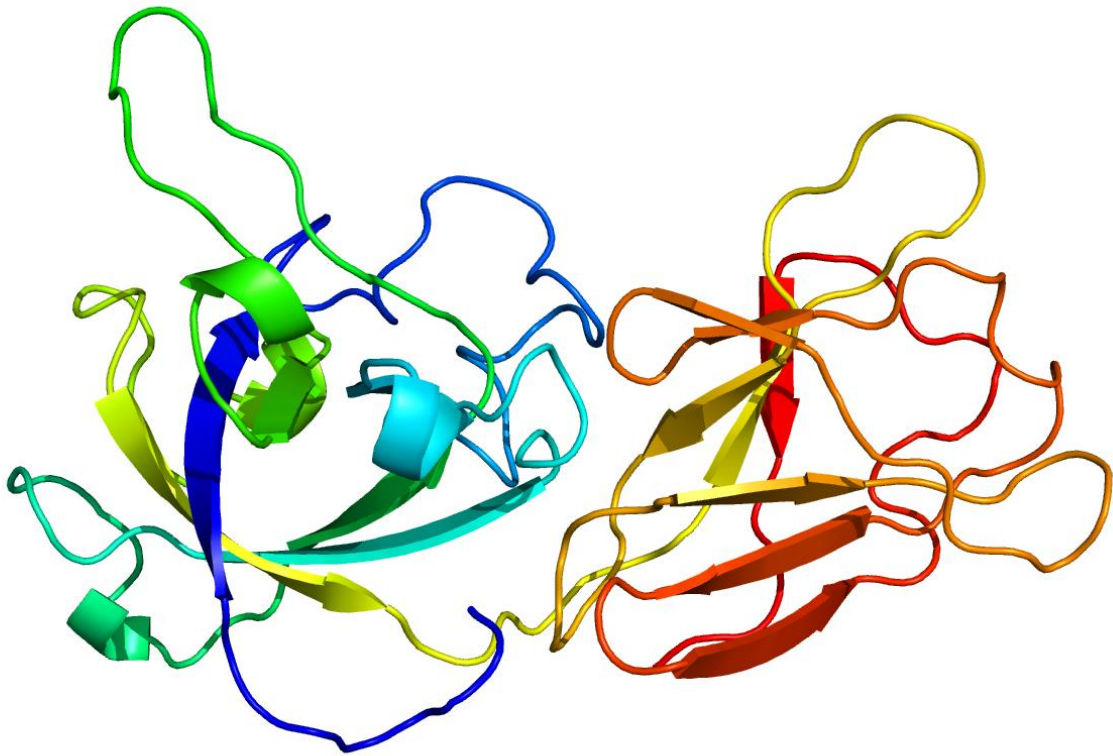
Locus: Pp3c18_19720V3

Gene Model: Pp3c18_19720V3.1.p

Description: PpEXPA-31

Family: Alpha Expansin

3D structure:



GENOME DATABASES

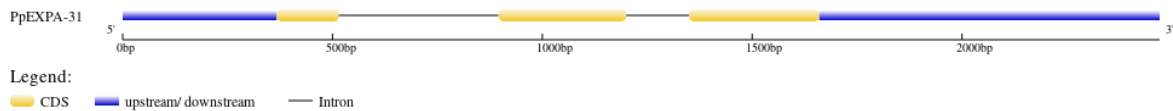
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

KEGG: <https://www.genome.jp/entry/gn:T01041>

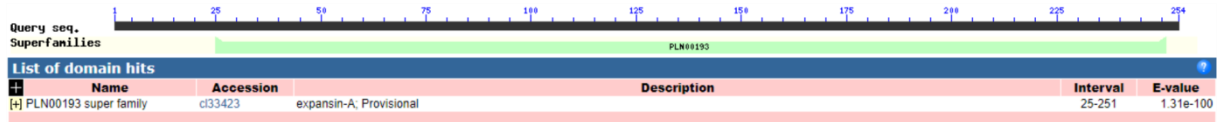
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-31

MAIPWSSVVLVTLVSLMACAEAKGSSFMGSDWGRAHATFYGGADASGTQGGACGY
GNLYSTGYGTNTAALSSSLFNLSGLSCGACYELTCDPSGSQYCLPGGSAIITATNFCPTG
SNGGWCNPPKQHFDLAQPVFSKIARTVGGVIPINYRRVPCSKSGGMRFTVNGNPYFL
LVLVTNVGGAGDVQQLYIKGASTGWLPLKRNWGMWQFTGNSGMHGQAISFKAV
TSDGAEAISPNVAPANWGFQTFEGSNF*

CDS (coding sequence)

>PpEXPA-31

ATGGCCATTCCGTGGAGTAGCGTGGTGTGGTGACTCTTGTTTCATTGATGGCCTG
CGCTGAGGCCAAGGGGAGCAGCTTCATGGGCAGCGACTGGGGGAGAGCCCATGC
CACTTTCTATGGTGGAGCTGACGCTTCTGGTACTCAAGGTGGAGCTTGTGGATAC
GGAAATCTCTACAGCACTGGCTACGGAACAAACACAGCCGCACTGAGTTCTTCGT
TGTTCAACTCCGGCCTCAGCTGCGGAGCCTGTTACGAGCTCACGTGCGATCCATC
CGGTTCTCAGTACTGCCTCCCAGGTGGTTCGCTATCATCACTGCAACAACTTCT
GTCCTACCGTTCTAACGGAGGCTGGTGCAATCCACCCAAGCAGCACTTTGATTT
GGCACAACCTGTCTTTAGCAAGATAGCTCGCACAGTGGGCGGCGTAATCCCTATC
AATTACAGAAGAGTGCCCTGCTCCAAGTCTGGAGGCATGAGGTTACCGTGAATG
GAAACCCCTACTTTCTGCTGGTGCTCGTCACAAACGTCGGAGGGGCTGGTGATGT
CCAGCAATTGTACATCAAGGGTGCCAGCACTGGCTGGCTACCCTTGAAGCGCAAC
TGGGGGCAGATGTGGCAGTTTACCGGCAACAGTGGCATGCATGGCCAAGCCATCT
CCTTCAAGGCTGTCACCAGCGATGGCGCTGAGGCCATATCCCCAAATGTAGCTCC
AGCCAACCTGGGGCTTCGGACAGACTTTCGAGGGCTCCAACCTTTTGA

Nucleotide

>PpEXPA-31

TGAAGCTCCCTCTTCAGACTAATAAAAGTACCTCCCCACATCGCTGGTATGTGT
GGCACCACAAAACCTCGACGAGCAGCATTCCCAGCTCAGAGCTCCCGAGTCTCCTC
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CAAACACAGCCGCACTGAGTTCTTCGTTGTTCAACTCCGGCCTCAGCTGCGGAGC
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GAACCAGCTCATCTGATCTCTCCAGTTAATAAAAAGTAAGTCGTGCACAAGCGCA
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CACATGATAATCTCAATTGGGCACTTGAAATGTACCTACGGGTTAAGTAATATGA
AGGATGATATTTGCATCCAGGTCAGCTTTGAAATGT