

IDENTIFICATION

Species: *Physcomitrium patens*

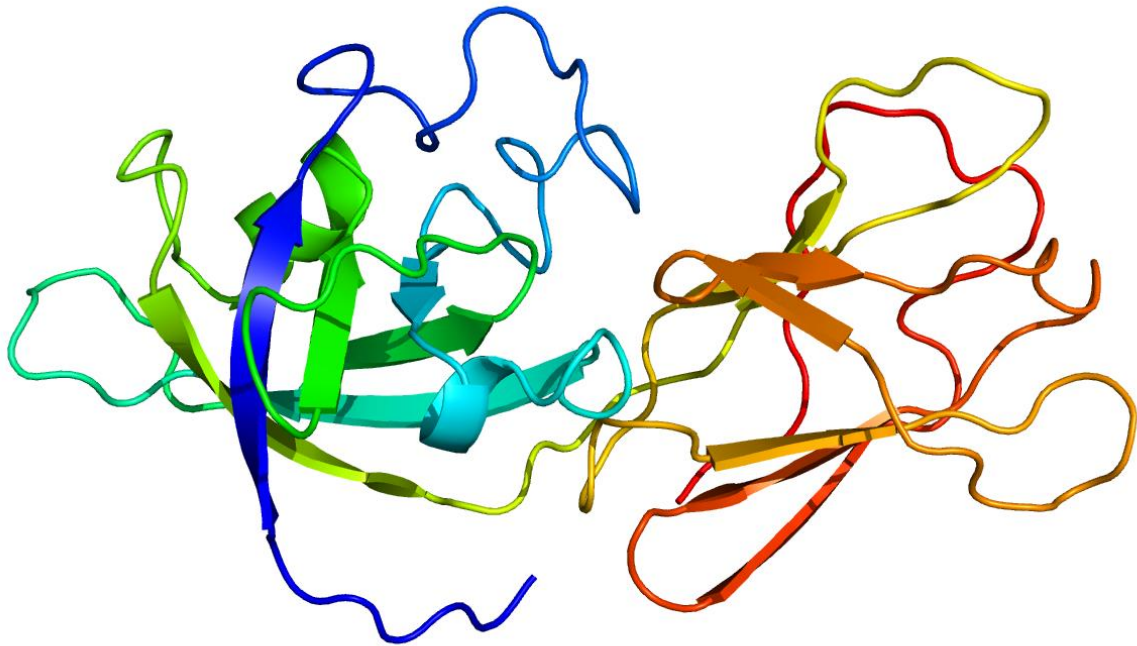
Locus: Pp3c20_5780V3

Gene Model: PPp3c20_5780V3.2.p

Description: PpEXPA-33

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>

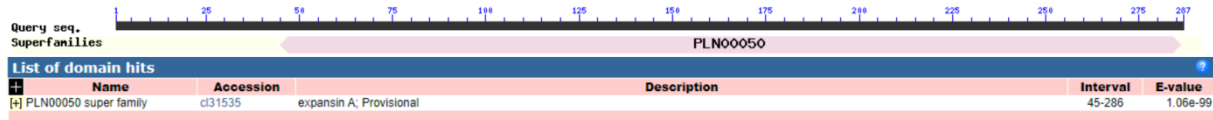
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-33

MHPLFPA LHVMILITCCDQTL SLLLLLHRLHVCFSTMAKFS AQIVVAFMVLLAQQVR
AESGWNEAHATFYGGSDAGGTTGGACGYGDLYSTGYGTSTVAISSALFDRGLACGA
CYQVKCAGSSSECRSDSPA IQVTVTNFCPPNPSLPEDN GGWCNPLH HFDMSMPAFE
QIATYKAGIVPVMYRRTSCVRTGGIHFTMSGHNF MNLVLVTNVGGMGDVQSVSIRG
SKTSWVTMTRNFGQIWQSTVNMSGQSL SFMVTTS DGKTVVSNNVAPPDWAFGQTY
EGSQF*

CDS (coding sequence)

>PpEXPA-33

ATGCACCCACTCTTCCC GCGCTGCATGTTATGATCCTCATCACCTGCTGTGACCA
AACGCTCTCCCTGCTTCTGCTACTCCACAGATTGCATGTGTGCTTCTCAACTATGG
CAAAGTTCTCAGCCCAGATTGTGGTGGCGTTCATGGTGTGTTGGCGCAACAAGT
TCGTGCTGAAAGTGGATGGAACGAAGCTCATGCTACATTTTACGGTGGTAGCGAT
GCCGGTGGCACAACAGGTGGTGTGCTTGC GGGTACGGAGATCTCTACAGCACTGGCT
ATGGCACCAGCACAGTCGCCATAAGCTCAGCTCTTTTCGACCGTGGCCTCGCATG
CGGTGCGTGCTACCAGGTGAAGTGTGCGGGGAGTTCCTCCGAGTGCCGCTCTGAC
AGCCCAGCTATTCAAGTTACTGTCACCAACTTCTGCCCTCCTAATCCCTCCTTGCC
TGAAGACAACGGCGGATGGTGAACCTCCCTCTGCATCATTTCGACATGTCCATG
CCTGCCTTCGAGCAAATCGCAACTTACAAGGCCGGCATTGTGCCTGTGATGTACC
GAAGGACTTCTTGTAAGGACTGGTGGCATTCACTTCACCATGAGCGGTCACAA
CTTCATGAACTTGGTGTGTTGTCACCAACGTCGGAGGCATGGGGGACGTGCAATCC
GTGTCCATTCGAGGTTCCAAA ACTAGTTGGGTGACAATGACCAGGAACTTTGGGC
AGATATGGCAGAGTACCGTCAACATGAGCGGCCAGAGCCTCTCCTTTATGGTGAC
GACTAGCGACGGCAAGACTGTGGTCTCCAACAACGTAGCGCCTCCCGATTGGGCG
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Nucleotide

>PpEXPA-33

TGATAACGGGGGTACTTAGTCCGGCCGACGCTGTAGGGGGCAGCCATGCACATG
ACTGACTGACCGACCGACCGCCGCTGTTGCTGCTTCTGCTGCTCGCTCTCCGCTG
CGCGCTTCGCATCCGCCCTCGCTGCGGCACCAGCACCAGCACCACCAAGGCACGC

GAGGCTACATCACGTCAGTGCCTGTGAACGGGGGATTTTGAGCCGGGGCAGGG
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CCAAGCAGAGTCTAGTGGTACTCGTGAACCTTGTG