

IDENTIFICATION

Species: *Physcomitrium patens*

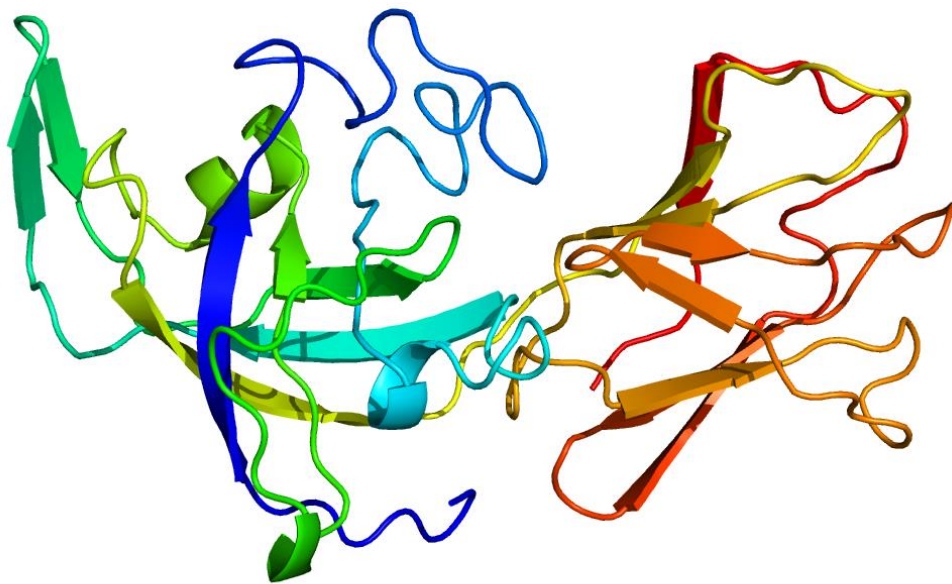
Locus: Pp3c14_18510V3

Gene Model: Pp3c14_18510V3.1.p

Description: PpEXPA-26

Family: Alpha Expansin

3D structure:



GENOME DATABASES

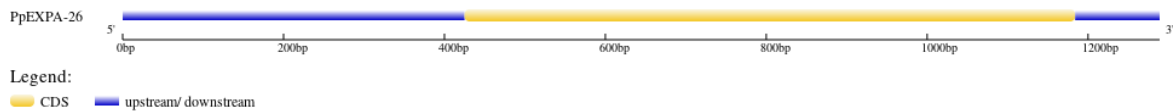
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

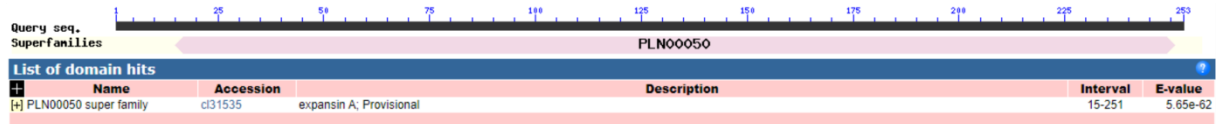
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-26

MKAAACAGVAALMALSVLPCVVGAPYGWSEAHITYYGTASGGGTQGGACGYPNTF
AMGYGAMTAALSYPFLFQGGKACGGCYQLRCKWVTPTRTVHNWCWSYSRTITVTAT
NSCPPGSHGGWCNWRPHFDLPMPAFLTLARREGGVAPVYYRKVRCAKRGGIRFTIG
GNPYFLMILIHNVGGAGDLKAVKVRGGNGYWVPMWRNWGALWTCKTRMSGALSF
QITTDGRTLTTYKAVGGYWRFQGTWEGSQFR*

CDS (coding sequence)

>PpEXPA-26

ATGAAGGCCGCAGCTTGCCTGGCGTGGCCGCCTTGATGGCGCTGAGCGTCCTGC
CTTGCCTGGTGGGAGCGCCGTACGGGTGGAGTGAGGCGCATATCACGTACTACG
GAACAGCTAGTGGCGGTGGCACGCAGGGAGGCGCCTGCGGGTATCCGAACACCT
TTGCGATGGGATACGGGGCGATGACCCGCAGCGTTGAGTTATCCTCTGTTCCAGGG
CGGAAAGGCATGCGGCGGGTGCTATCAGTTGCGGTGCAAGTGGGTGACGCCAAC
CCGAACCGTGCACAACCTGGTGCTGGAGCTACTCTCGCACCATCACCGTGACCGCA
ACAACTCGTGCCCTCCAGGGTCGCACGGAGGTTGGTGCAACTGGAGACCTCACT
TCGACTTGCCAATGCCTGCTTTCCTGACGCTGGCACGGCGTGAGGGAGGAGTGGC
TCCGGTGTATTACAGGAAGGTCCGGTGCGCGAAGCGCGGCGGAATTCGGTTCACC
ATCGGAGGCAACCCGTACTTCTTGATGATCCTGATTCACAACGTGGGAGGGGCGG
GCGATTTGAAGGCAGTGAAGGTCAGGGGAGGAAACGGATATTGGGTGCCCATGT
GGCGCAACTGGGGCGCGCTGTGGACATGAAAACGAGGATGAGCGGAGCATTGT
CTTCCAGATTACGACGGGCGACGGGCGCACTTTGACGACTTACAAAGCCGTGGG
CGGGTACTGGAGGTTCCGGACAGACCTGGGAAGGATCCCAGTTCAGGTAG

Nucleotide

>PpEXPA-26

TCTGCTTAGACTAGGCCTGACAGCCCTCGCATTGGGGACAAGGCAATGTGCTTTA
ACCGGTATGCAATCGCTCAGTACTACCACACCTGTACTTGATGTAATTAGAAGGA
CGAACTATTCCACGAATACGGGTAAGAAATCGTAGAAGTCCCGCATCCTTCAGGA
GAAATGTGGTGGTGTATAAATGCTCCGCTGAGCACTTTGCTTCTTGCGTTCTCGCT
ACATCTGTTGTAGCATAACCGTGATCTCCCTAAGTTCCCTTCCAACCTGCAGGCCATCT
AAATCAAGCAGCCTTGATCATCAGTTCCTCGATGTGCGCACACAGAAACCAAGCC

TGTAGACTTCGAGCCCACTCAGATACAGCTTTCATCTCTGCCATACTAGCACG
ACCAGGTGGCCATGAGGACTTCGGCCGTAGTATCCAGCATGAAGGCCGCAGCTTG
CGCTGGCGTGGCCGCCTTGATGGCGCTGAGCGTCCTGCCTTGCCTGGTGGGAGCG
CCGTACGGGTGGAGTGAGGCGCATATCACGTACTACGGAACAGCTAGTGGCGGT
GGCACGCAGGGAGGCGCCTGCGGGTATCCGAACACCTTTGCGATGGGATACGGG
GCGATGACCGCAGCGTTGAGTTATCCTCTGTTCCAGGGCGGAAAGGCATGCGGCG
GGTGCTATCAGTTGCGGTGCAAGTGGGTGACGCCAACCCGAACCGTGCACAACCTG
GTGCTGGAGCTACTCTCGCACCATCACCGTGACCGCAACAAACTCGTGCCCTCCA
GGGTCGCACGGAGGTTGGTGCAACTGGAGACCTCACTTCGACTTGCCAATGCCTG
CTTTCCTGACGCTGGCACGGCGTGAGGGAGGAGTGGCTCCGGTGTATTACAGGAA
GGTCCGGTGCGCGAAGCGCGGCGGAATTCGGTTCACCATCGGAGGCAACCCGTA
CTTCTTGATGATCCTGATTCAACCGTGGGAGGGGCGGGCGATTTGAAGGCAGTG
AAGGTCAGGGGAGGAAACGGATATTGGGTGCCCATGTGGCGCAACTGGGGCGCG
CTGTGGACATGCAAAACGAGGATGAGCGGAGCATTGTCTTCCAGATTACGACGG
GCGACGGGCGCACTTTGACGACTTACAAAGCCGTGGGCGGGTACTGGAGGTTTCG
GACAGACCTGGGAAGGATCCCAGTTCAGGTAGGTAGATTGTAGCGGACCTCGAC
GCTGAGCGCAGCATCGGTGGCAACAGTCGCTGTGATCGATGGGAACATGGCGTC
GCTCCGCGGTCCGAGATGTGCGTGCGAGT