

IDENTIFICATION

Species: *Physcomitrium patens*

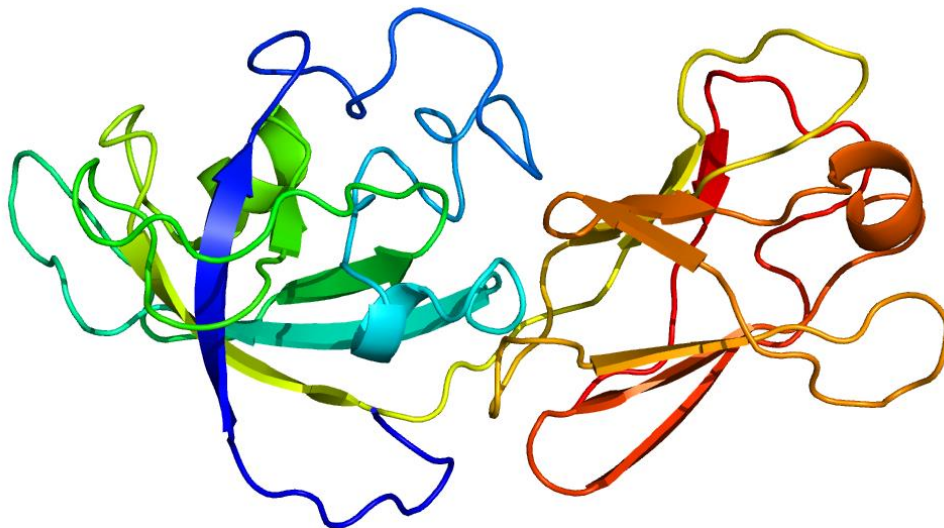
Locus: Pp3c18_19660V3

Gene Model: Pp3c18_19660V3.1.p

Description: PpEXPA-29

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>

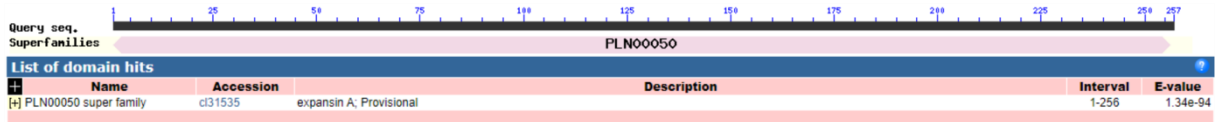
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-29

MEAMAMVWTVVLALMLVVAPFGSEARSNFMAGGWGYAHATYYGGADASGTQGG
ACGFGNLYSTGYGTNTAALSAALFNSGLSCGSCYELACDPNGSKYCLPGGPTVTVTA
TNFCPHGSLGGWCDAPKQHFDLAHPMFVSLAREVGGVPIKYRRVPCVKSGGMRFTI
NGNPWFLLVLVTNVAGAGDVQHMYIKGSNTPWEPMSRNWGSMWQFTGDSKMKG
QALSFKAVTSDGSVAVSMDAAPGNWQFGQTFEGVNF*

CDS (coding sequence)

>PpEXPA-29

ATGGAAGCTATGGCTATGGTGTGGACTGTTGTCTTGGCGCTGATGCTGGTGGTGG
CGCCCTTTGGATCGGAGGCGCGCAGCAACTTCATGGCGGGAGGATGGGGCTATG
CCCATGCTACGTATTACGGCGGTGCTGATGCGTCAGGAACCTCAAGGCGGGGCATG
TGGATTCGGGAACCTCTACAGTACCGGTTACGGAACCAACACTGCGGCACTCAGT
GCTGCCTTGTTCAACAGTGGCCTTAGCTGCGGCTCCTGCTATGAGCTTGCTTGCGA
CCCCAATGGCTCCAAATACTGCCTTCCAGGGGGGCCAACAGTCACCGTTACTGCG
ACCAACTTCTGTCCCCATGGGTCCTTGGGAGGATGGTGCACGCTCCCAAGCAGC
ACTTCGACCTCGCTACCCCATGTTTCGTCAGCCTCGCGAGAGAGGTTGGAGGCGT
CATCCCCATCAAGTACAGAAGAGTTCCTTGCCTGAAATCCGGCGGCATGCGCTTC
ACCATCAACGGCAACCCTTGGTTCTTGCTGGTGCCTCGTCACCAACGTTGCCGGCG
CTGGGGATGTGCAGCATATGTACATCAAGGGCTCCAACACCCCTTGGGAGCCTAT
GTCACGCAACTGGGGTTCAATGTGGCAGTTCACCGGCGACAGCAAGATGAAGGG
TCAGGCTCTCTCCTTCAAGGCCGTTACCAGCGACGGATCCGTGGCTGTCTCCATG
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GA

Nucleotide

>PpEXPA-29

TGTAAATTTAGGGGGGTGGTGATAATTGAAATAATAAGTCACATTATATACCT
CTGCTCTGCCTGCACGATCGCCATCACCCCATCGACGCGCTCTCATCTGGCAGTG
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TGCTGCTGTTGTTGTCGATATTCTTCTCCAGTTGCAGTGTGTCAGGCATTGCAGCATA
ACTGCAGGGGAGTTGTTTCAGACTGATGAGGTGTGGCTAGTACATATTGCAGTACT

CACTGCCAACCGGTCGCTGCATTACTTCGCTGCACCCATCGAGTCTCTCTCTCCTC
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TACTTACCATGACTGTTCTTGGCGCGGTTTTTGAAATGCAGGCGGGGCATGTGGA
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CCTTGTTCAACAGTGGCCTTAGCTGCGGCTCCTGCTATGAGCTTGCTTGCGACCCC
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