

IDENTIFICATION

Species: *Physcomitrium patens*

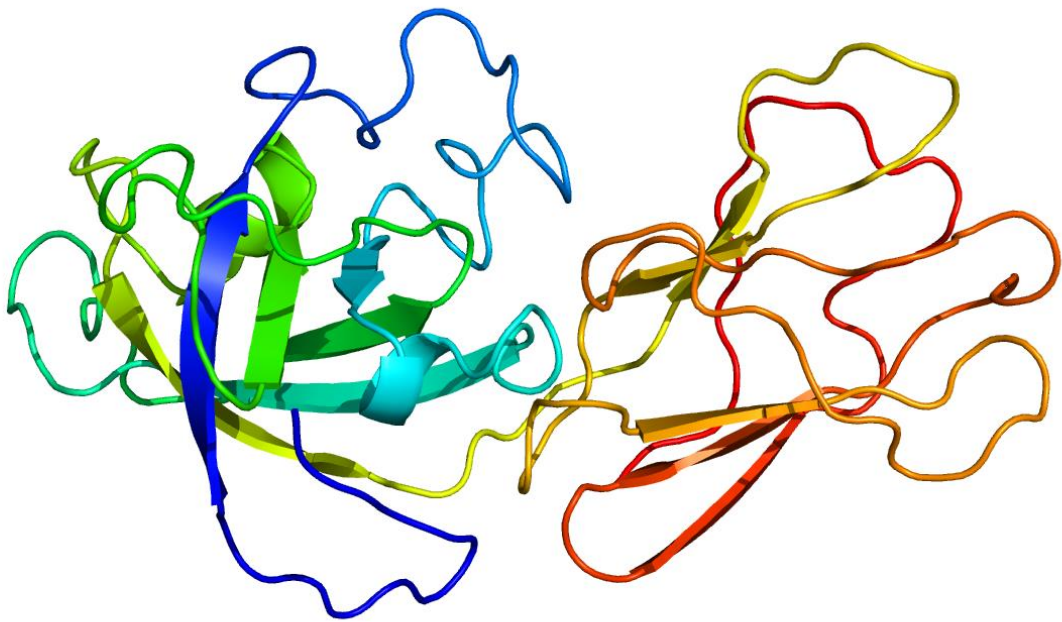
Locus: Pp3c22_760V3

Gene Model: Pp3c22_760V3.1.p

Description: PpEXPA-37

Family: Alpha Expansin

3D structure:



GENOME DATABASES

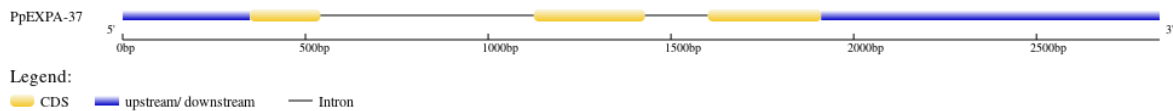
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

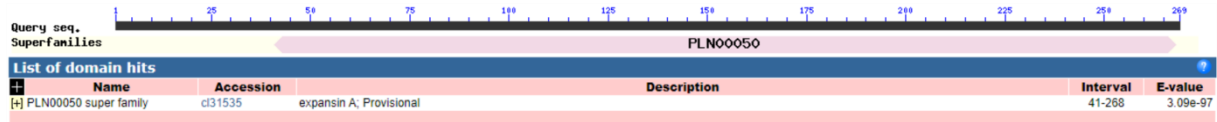
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-37

METWRSHAAALEAMLLLLTMMMIDVPVSVEAASATGSRFRGGGLNWGRAHATY
YGGADASGTQGGACGFGNLYSSGYGTDTAALSSALFNGLSCGACYELTCDPGSKF
CIPGGSIIITVTNFCPTGSNGGWCNPPKQHFDLAQPVFRKIARTVGGVVPINYRRVSL
KDGGMRFTVNGNPNYFLLVLVTNVGGAGDVQQLYMKGSSTNWQPLKRNWGMWQ
FTGNSRMHGQAISFKA VTS DGSVAVSNNVAPPNWGFGQTFEGSNF*

CDS (coding sequence)

>PpEXPA-37

ATGGAGACGTGGAGGAGTCATGCTGCTGCATTGGAAGCCATGTTGTTGTTGTTGC
TGACGATGATGATGATAGATGTGCCGGTCTCTGTGGAGGCTGCTTCTGCGACGGG
GAGTCGCTTTAGGGGGGGTGGTTTGAATTGGGGCCGAGCTCACGCCACTTACTAT
GGCGGGGCTGATGCTTCCGGCACCCAAGGGGGCGCGTGTGGATTTCGAAACCTCT
ACAGCTCCGGCTATGGCACTGACACTGCGGCGCTGAGTTCGGCTTTATTCAACAG
CGGACTCAGCTGTGGAGCATGCTACGAGCTTACTTGTGACCCAGTGGTTCCAAG
TTCTGTATCCCTGGAGGATCAGCAATCATCACCGTGACCAACTTCTGCCCCACCG
GTTCCAATGGAGGCTGGTGCAATCCTCCGAAGCAGCACTTTGACTTGGCCAGCC
CGTATTCAGGAAGATCGCTCGAACAGTTGGTGGCGTCGTCCAATCAACTACAGG
AGAGTGTCTTGCTTGAAAGATGGAGGCATGAGATTCACCGTCAACGGCAACCCTT
ACTTCTTGCTGGTACTTGTCAACCAATGTCGGAGGAGCCGGTGTGTCCAACA
GTACATGAAGGGATCGAGACCAACTGGCAACCCTTAAAGCGCAACTGGGGCCA
GATGTGGCAGTTCACCGGCAACAGCAGAATGCACGGCCAAGCCATCTCCTTCAAG
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Nucleotide

>PpEXPA-37

CTTCTTCTCCTCCTCCTTCGCCTTCTTCTGTTGTTGTTGCTGCTGCTCCATGTGTTTT
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