

IDENTIFICATION

Species: *Physcomitrium patens*

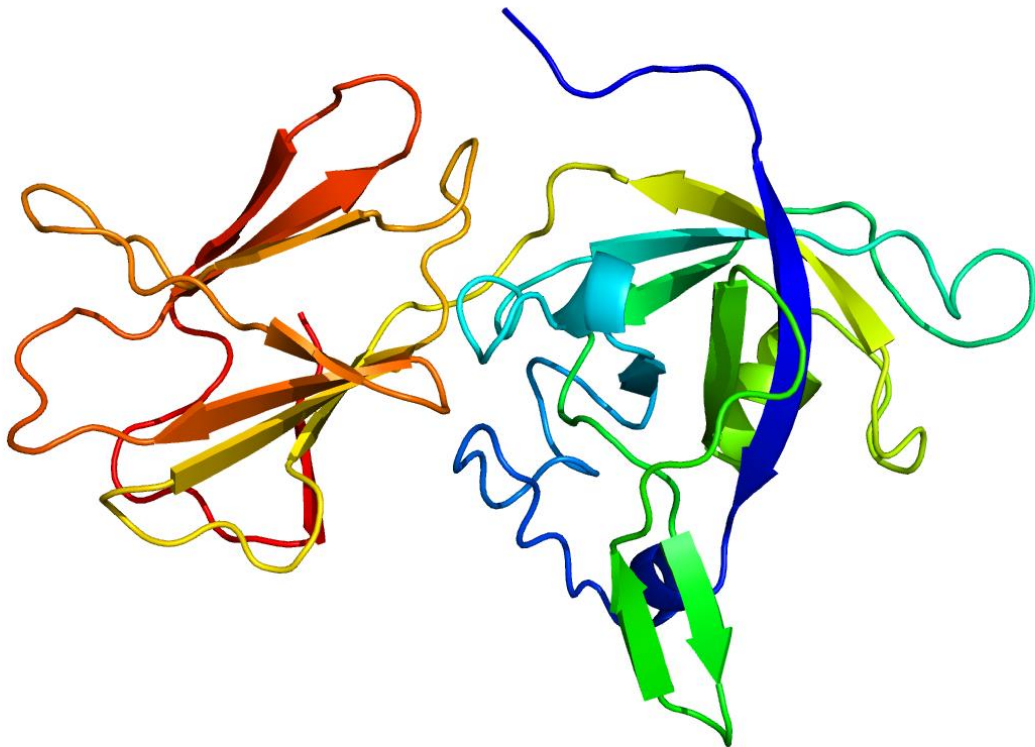
Locus: Pp3c24_15400V3

Gene Model: Pp3c24_15400V3.1.p

Description: PpEXPA-41

Family: Alpha Expansin

3D structure:



GENOME DATABASES

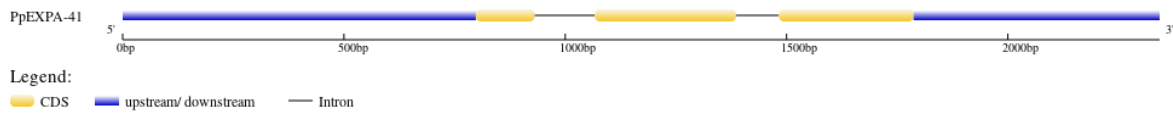
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

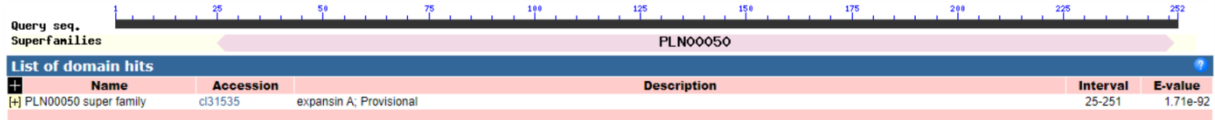
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-41

MTRYVAHIAVMVMAFLMVRDACSLSEWNEARATFYGGSDAGGTTGGACGYGDLY
STGYGTNTVATSSAIFDRGLACGACYQVKCAGSASECQPGTPAIQVTVTNFCPPNPSL
PEGNGGWCNPLLHHFDMAMPAFQQIASYRVGIVPILYRRASCVRTGGIRFTMSGHKF
MNLVLTNVGGMGDVQTVFIQGSKTKLVAMIRNFGQIWQSSVNVSGQRLSFMVMT
SDGESVVSARNVAPSDWAYGQTYEGSQF*

CDS (coding sequence)

>PpEXPA-41

ATGACGAGGTACGTAGCTCACATTGCGGTGATGGTTATGGCGTTCTTGATGGTTC
GGGATGCTTGTTCTCTGAGCGAGTGGAACGAGGCTCGTGCTACGTTCTATGGCGG
CAGCGACGCCGGTGAACGACAGGAGGTGCATGTGGCTACGGAGATCTGTACAG
CACTGGCTATGGCACCAACACGGTTGCCACAAGCTCCGCTATCTTCGACCGAGGC
CTTGCTTGCGGCGCTTGTTACCAGGTTAAGTGCGCTGGTAGCGCATCCGAGTGCC
AACCTGGCACCCCCGCAATTCAAGTTACCGTGACCAACTTCTGTCTCTAATCCT
TCCCTGCCTGAAGGCAACGGCGGCTGGTGTAACTCCCGCTGCACCATTTGACA
TGGCCATGCCGGCATTTCACAAATTGCTTCTTACAGAGTTGGCATTGTGCCTATC
TTATACCGAAGAGCTTCGTGCGTGAGGACAGGCGGCATCCGCTTCACTATGAGCG
GACACAAATTTATGAACCTCGTGCTCGTCACCAACGTGGGTGGTATGGGGGACGT
CCAAACTGTGTTCAATCAGGGGTCTAAGACGAAGTTGGTGGCCATGATCCGGAAC
TTTGGCCAGATATGGCAGAGCTCCGTGAACGTGAGCGGTCAGAGACTCTCCTTCA
TGGTCATGACCAGCGATGGCGAGAGTGTAGTCTCCAGAAATGTGGCGCCTTCGGA
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Nucleotide

>PpEXPA-41

TACTTACATACCTACAGACATACATACGTTCAACAATTAGCATGATCTTTTTTCTTC
TCATACATAGCATAATAATAATAATAATAAATACCCATAAACACACACTCAAATA
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TGAAGGCAACGGCGGCTGGTGTAACTCCCGCTGCACCATTTTCGACATGGCCATG
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CCAATGAAACAGTTGATTGCGGACCCAACCTTCAAACCTTTTCGTGTACTCTTCAA
CATCACACGTCTTGAGGTGGG