

IDENTIFICATION

Species: *Physcomitrium patens*

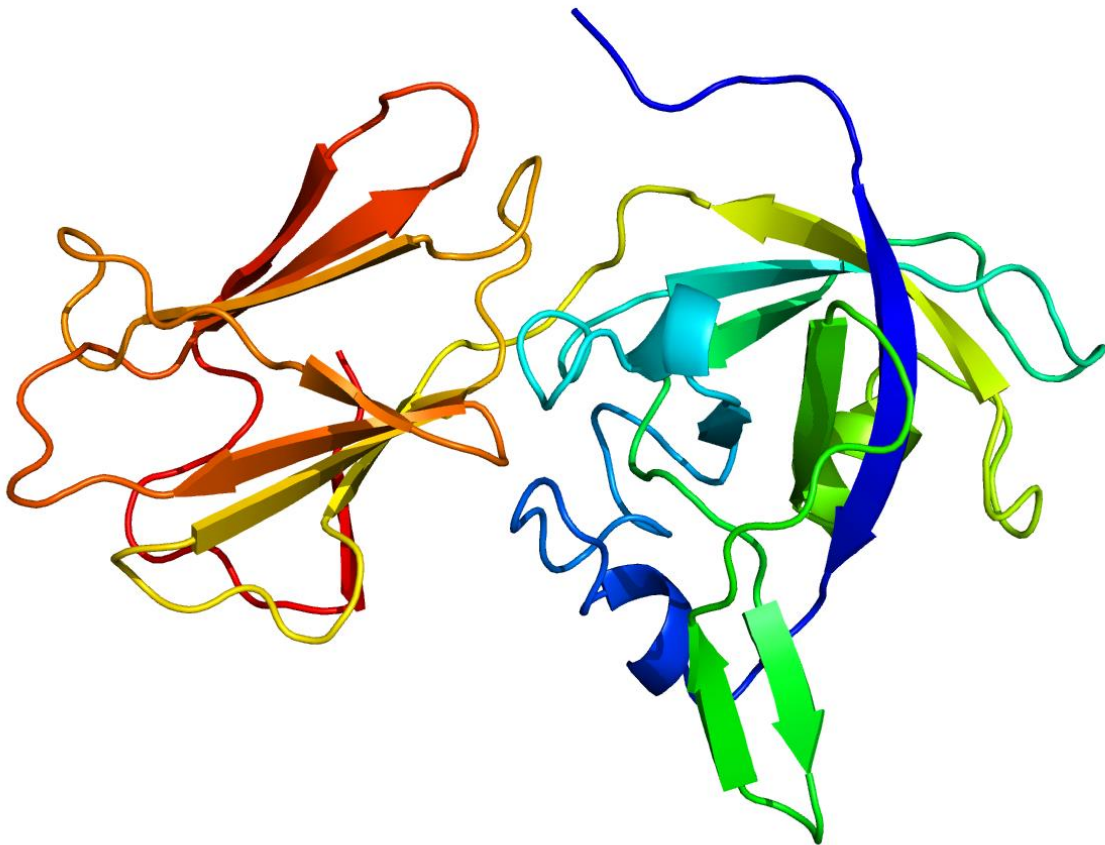
Locus: Pp3c24_15400V3

Gene Model: Pp3c24_15400V3.2.p

Description: PpEXPA-42

Family: Alpha Expansin

3D structure:



GENOME DATABASES

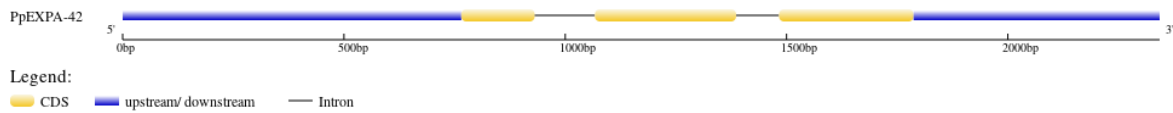
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

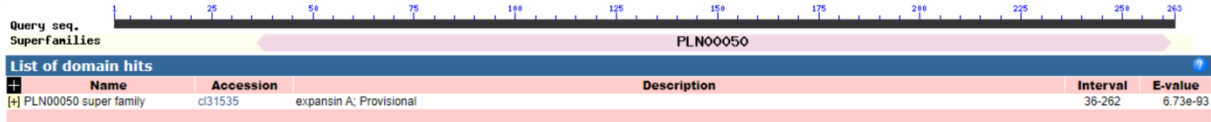
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-42

MELNCVLCRQMTRYVAHIAVMVMAFLMVRDACSLSEWNEARATFYGGSDAGGT
TGGACGYGDLYSTGYGTNTVATSSAIFDRGLACGACYQVKCAGSASECQPGTPAIQV
TVTNCPPNPSLPEGNGGWCNPLHHFDMAMPAFQQIASYRVGIVPILYRRASCVRT
GGIRFTMSGHKFMNLVLTNVGGMGDVQTVFIQGSKTKLVAMIRNFGQIWQSSVNV
SGQRLSFMVMTSDGESVVSARNVAPSDWAYGQTYEGSQF*

CDS (coding sequence)

>PpEXPA-42

ATGGAGTTGAATTGCGTTCCTTGTGTGCAGACAGATGACGAGGTACGTAGCTCACA
TTGCGGTGATGGTTATGGCGTTCCTTGATGGTTCGGGATGCTTGTTCTCTGAGCGAG
TGGAACGAGGCTCGTGCTACGTTCTATGGCGGCAGCGACGCCGGTGGAAACGACA
GGAGGTGCATGTGGCTACGGAGATCTGTACAGCACTGGCTATGGCACCAACACG
GTTGCCACAAGCTCCGCTATCTTCGACCGAGGCCTTGCTTGCGGCGCTTGTTACCA
GGTTAAGTGCGCTGGTAGCGCATCCGAGTGCCAACCTGGCACCCCGCAATTCAA
GTTACCGTGACCAACTTCTGTCCTCCTAATCCTTCCCTGCCTGAAGGCAACGGCGG
CTGGTGTAACCTCCCGCTGCACCAATTCGACATGGCCATGCCGGCATTTCACAA
ATTGCTTCTTACAGAGTTGGCATTGTGCCTATCTTATAACGAAGAGCTTCGTGCGT
GAGGACAGGCGGCATCCGCTTCACTATGAGCGGACACAAATTTATGAACCTCGTG
CTCGTCACCAACGTGGGTGGTATGGGGGACGTCCAAACTGTGTTTATTAGGGGT
CTAAGACGAAGTTGGTGGCCATGATCCGGAACCTTGGCCAGATATGGCAGAGCTC
CGTGAACGTGAGCGGTCAGAGACTCTCCTTCATGGTCATGACCAGCGATGGCGAG
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Nucleotide

>PpEXPA-42

TACTTACATACCTACAGACATACATACGTTTACAATTAGCATGATCTTTTTTCTTC
TCATACATAGCATAATAATAATAATAATAATAATACCCATAAACACACACTCAAATA
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GCTCGTGCTACGTTCTATGGCGGCAGCGACGCCGGTGGAACGACAGGTACTTGGA
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TGAAGGCAACGGCGGCTGGTGTAACTCCCGCTGCACCATTTCGACATGGCCATG
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ACAATACCAGTGTGTATGTGCTTCTCTAGATCTGTGTTTCGCTTCTATTTGCTCAT
CCAATGAAACAGTTGATTGCGGACCCAACCTTCAAACCTTTTCGTGTACTCTTCAA
CATCACACGTCTTGAGGTGGG