

IDENTIFICATION

Species: *Physcomitrium patens*

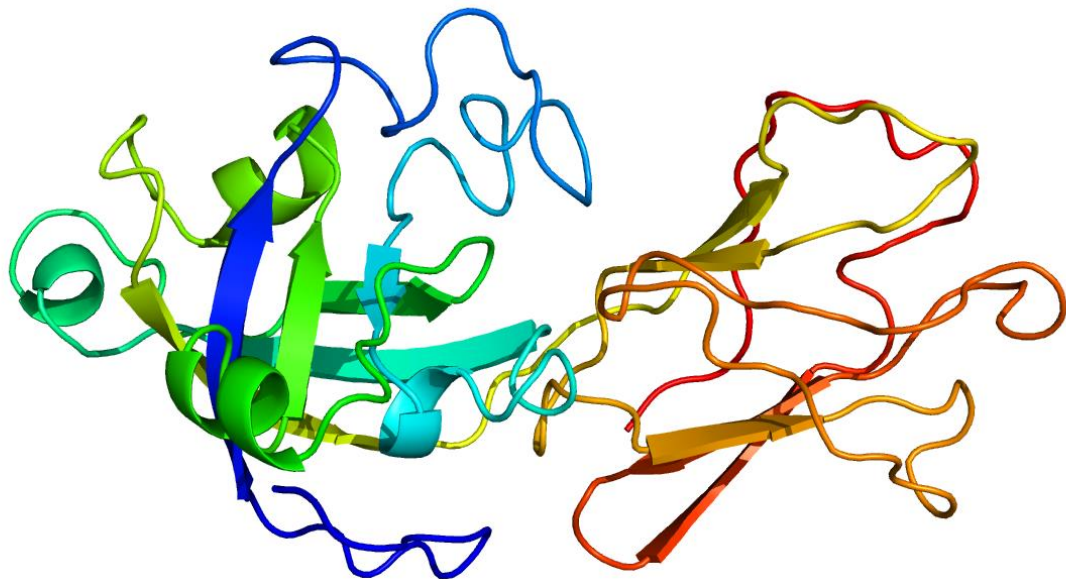
Locus: Pp3c18_19690V3

Gene Model: Pp3c18_19690V3.1.p

Description: PpEXPA-30

Family: Alpha Expansin

3D structure:



GENOME DATABASES

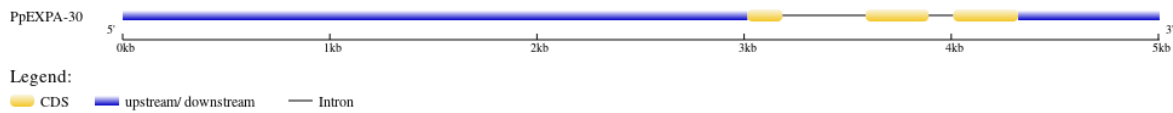
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

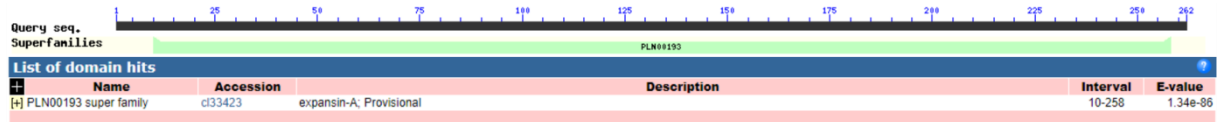
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-30

MTMAQRNPKMVSARVAAALFVILAGCISQALAVYGPGRWDTAHATYYGGRDAGGT
MGGACGYGNLYNTGYGVKTAALSAPLFGGATCGACYELTCILSQSKYCYQNKKIL
ITATNFCPTGSTGGWCNPPRKHFIDLSEPMFTTLANRVGGVIPVNFRRVHCYKKGGMR
FTINGNPYHMMVLVYNVAGAGDVQQMFIKSPTTGWLQMSRNWGWQIWTYKGGPRNI
VGFALSFRVYTSDRRQVVSYNAAPANWRFGQTFSSGAN*

CDS (coding sequence)

>PpEXPA-30

ATGACAATGGCGCAGAGGAATCCTAAGATGGTGTTCAGCTCGAGTGGCAGCTGCG
CTGTTCGTGATTCTGGCGGGGTGCATTTTCGCAAGCACTGGCTGTGTATGGTCCAG
GTAGATGGGATACAGCTCATGCGACATACTATGGAGGCAGGGATGCGGGCGGCA
CAATGGGAGGTGCTTGC GGGTATGGGAATTTATATAACTGGTTACGGTGTAA
AACGGCCGCCCTGAGTGCGCCGCTCTTCAAAGGTGGAGCCACATGTGGAGCATGC
TACGAGCTCACTTGCATTCTCAGCCAATCCAAATATTGCTACCAGAATAAGAAGA
TTTTAATCACGGCAACAACTTTTGTCCACAGGATCCACGGGAGGGTGGTGCAA
TCCTCCCCGAAAGCACTTCGACCTTTCAGAGCCCATGTTACCACCCTGGCAAAC
AGAGTCGGAGGCGTCATCCCTGTCAACTTCCGAAGGGTGCATTGTTACAAGAAAG
GAGGGATGCGCTTACCATCAACGGGAACCCCTACCACATGATGGTACTCGTCTA
CAACGTAGCAGGCGCCGGCGACGTTCAACAGATGTTTCATCAAGAGCCCGACGAC
AGGGTGGCTCCAAATGTCGCGCAACTGGGGCCAGATTTGGACATACAAAGGGGG
CCCCCGGAACATAGTTGGCTTTGCCCTCTCCTTCCGAGTATATACCAGCGACCGCC
GGCAAGTGGTATCTTACAATGCGGCCCTGCGAATTGGAGGTTTGGCCAGACCTT
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Nucleotide

>PpEXPA-30

AAAATGGCCTTCCATTTTAAGCCATGTCATAAAAGTTGCGACTGCAGACTTCTTTC
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