

IDENTIFICATION

Species: *Physcomitrium patens*

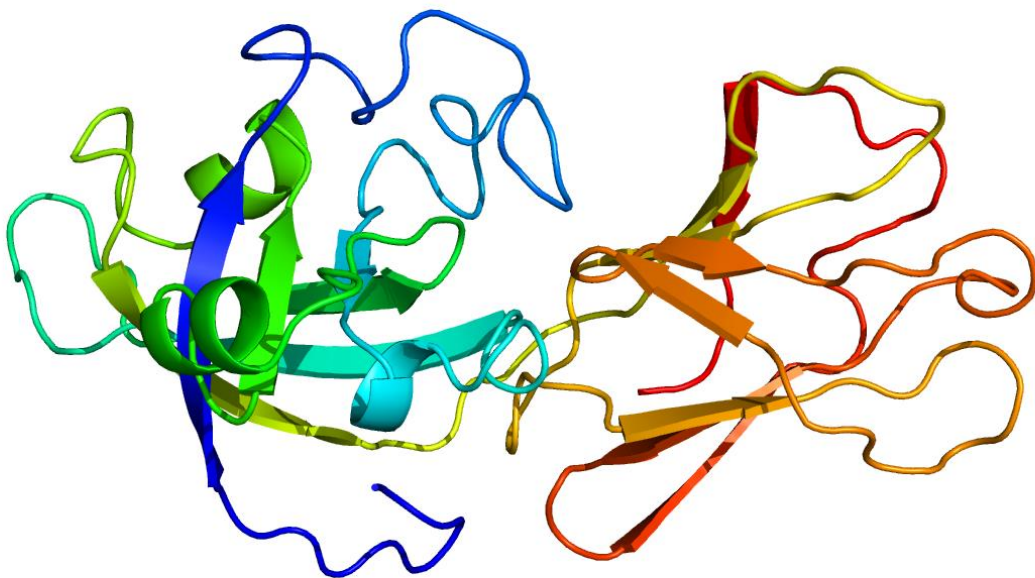
Locus: Pp3c22_3550V3

Gene Model: Pp3c22_3550V3.1.p

Description: PpEXPA-38

Family: Alpha Expansin

3D structure:



GENOME DATABASES

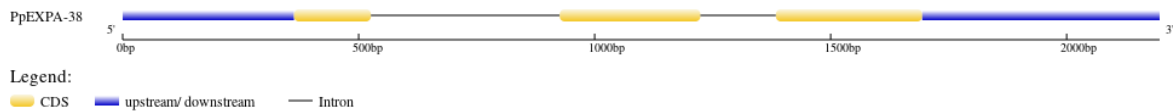
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

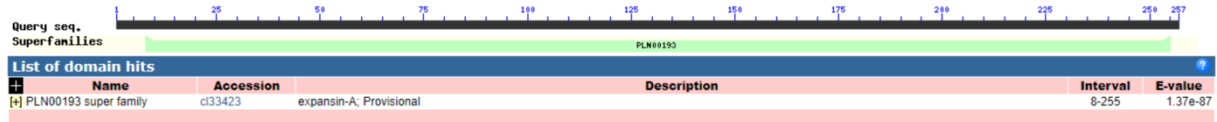
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-38

MTIEQRTMVQAHVTFKLLLVLGCVLQVQAAYGPSGWATATATFYGGADAGGTM
GGACGYGNLYSTGYGASTTALSAPLFNGGSACGACYQLQCARSNHICYAGRSITVTA
TNFCPTGSEGGWCNPPRKHFDSLMPMFTTLARQVAGVVPVDYRRVACNKKGGQRF
LMTGNPYFIMVLVYNVAGAGDVQRFFVKGSMTGWYELRRNWGQIWTCTADSRLK
GQALSFRTQTS DGRQVVSIDAAPANWNFGQTFSSGVN*

CDS (coding sequence)

>PpEXPA-38

ATGACAATCGAGCAGCGGACGATGGTGCAAGCACACGTAAC TTTTAAGCTTCTCT
TGGTGCTAGCTGGGTGCGTTTTGCAAGTGCAAGCTGCTTACGGTCCCAGTGGCTG
GGCTACAGCGACGGCGACGTTCTACGGGGGTGCGGATGCGGGAGGAACTATGGG
AGGTGCATGCGGGTATGGTAATTTGTACAGCACTGGTTACGGAGCTTCTACAACC
GCCCTGAGTGCGCCACTTTTCAACGGTGGTTCTGCTTGTGGAGCGTGTTACCAACT
CCAATGCGCTAGAAGCAACCATTGTTACGCAGGGAGATCGATTACAGTCACGGC
AACTAACTTTTGTCTACCGGGTTCGGAAGGAGGGTGGTGCAATCCTCCCAGGAAG
CATTTCGACCTGTCCATGCCGATGTTCACTCTTGCCAGGCAGGTTGCAGGAG
TCGTTCCCGTAGACTACAGAAGGGTAGCCTGCAACAAGAAGGGAGGTCAGAGGT
TCCTTATGACCGGAAACCCTACTTCATAATGGTTCTAGTCTACAACGTCGCTGGC
GCTGGTGATGTCCAAAGGTTTTTCGTCAAGGGCTCCATGACGGGGTGGTACGAGT
TGAGAAGAAACTGGGGACAGATCTGGACGTGCACTGCGGACAGCAGACTGAAAG
GACAAGCCCTCTCTTCCGCACACAAACCAGCGATGGTCGGCAAGTGGTTTCTAT
CGACGCAGCTCCTGCAAAC TGGAACTTCGGTCAGACTTTCAGCAGTGGTGTTAAT
TAG

Nucleotide

>PpEXPA-38

ACGTGCGGATGTGCCCAAGATTTGTGGCGAACTTCAGGAAGACCGGGAGAGGAA
GAATGCCAATTAGCATGTCAATCGCCCGAAATTTACAAC TCGAGCGGCGCTGACA
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ACTGCCCCCACCACCATCACTACTCCACTATGAATGCGCATGTGCGGCAGCTAGT
GACGACCACACTGCCAATGCTCACTGACTGCGCGCTTGAGAGTGATGCATCCAAG

TCTCCTGCACTAGTCTGCCAGCGTTCCATCGGCACCTAACTCGGGGAATCGTATCC
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ACTGTCCTTTTTGGTTTTTTGCGCACAAATTCGGTCCGGTAAAATCAGGGCCAGCTCC
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CAAATGTCTCTCACATAGAGTGGAGAGTTAGATGATATTGGATGTGAATTCGCTC
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CAGTGCTTGAAGTATGGGTACCCGCTCTTATCTTCTATATTGTATCGTCCCTCCA
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GTACATCGTGATGTGAATCCACTCTAATAAATGGATCT