

IDENTIFICATION

Species: *Physcomitrium patens*

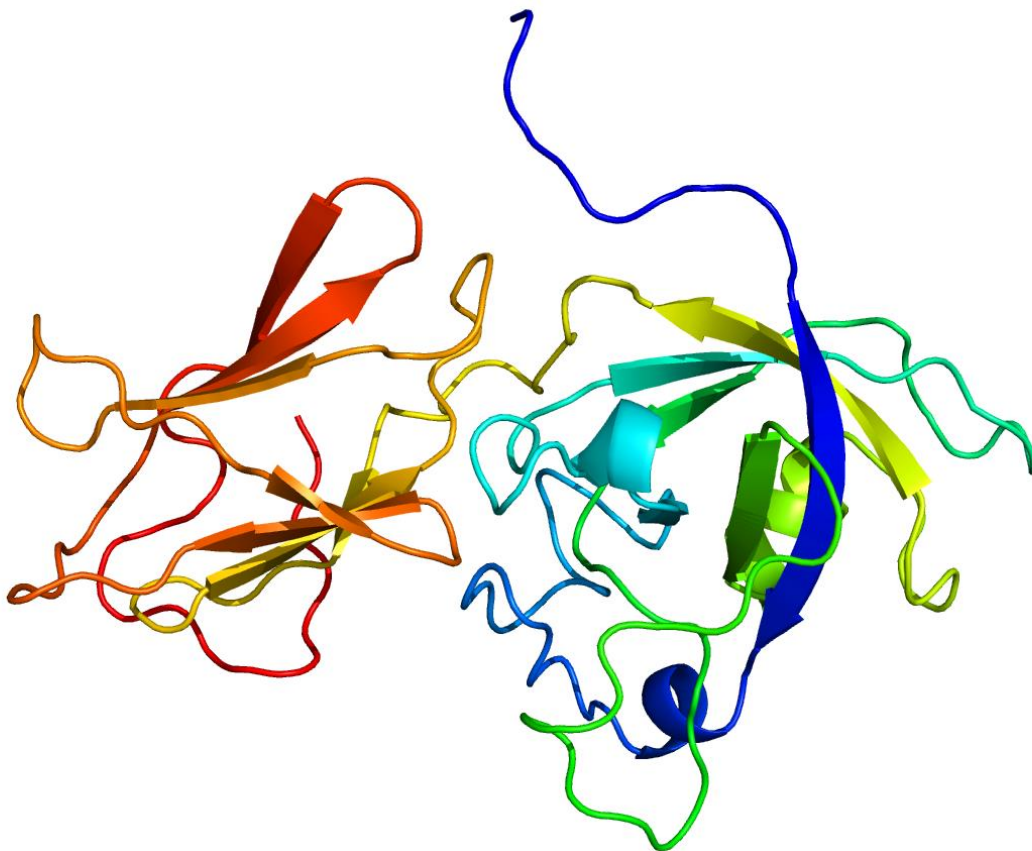
Locus: Pp3c8_870V3

Gene Model: Pp3c8_870V3.1.p

Description: PpEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

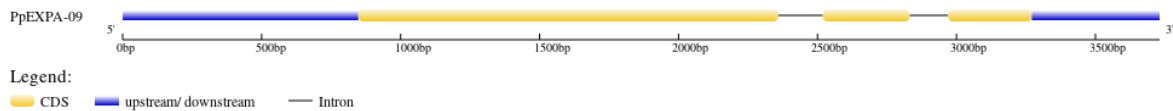
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

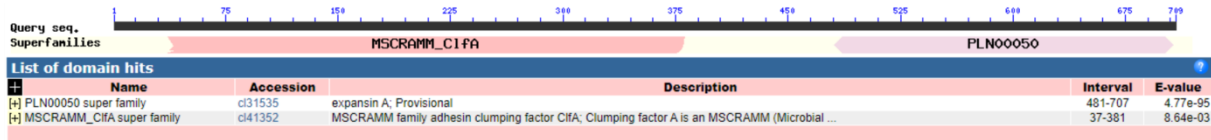
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-09

MVTARMAAMWVVALLLVSGVLVHSEEIIQATVEKVSDRPSSPAVETSPATVETEPEN
 PSNTTHQAVLAASSVGTQEVLVSLDLTRGTLEDVPNTSMSPSSVDGSSFGTAAEND
 GDTAASPSEPTSDAPEVVFASDPSEQSGHLVPMNITLDGSSGAAGDGSSFTTLFDD
 ASDSNEGGVLT DINLDLGDGKQGDFSTASLPDDQSEQGFDSFSVQGGGGDDSQSGHL
 VEGLDINIDSDPSNSGSSSFSTNNVYPGEPDEFASSGEGHLVPGMPTISEDEDGASFSQF
 QGTQPEAENDDAIFSSNDGTFDPSTTADTLAEGHLVPGMPTISVTDPSGDPNAKSFSSL
 SNDDMDLDP SLADNDFYAEQSNEFASSGEGHLVPGMPTISVDES GARFSQLEETQPD
 AQDDDSIFSSHSTSDPFNTDDSF AEGHLVPGMPSISSFEKNADFKGSSSFSTETTLSTD
 DQPDEVFARKAGYAPVPRSYGGVWRNARSTFYGGMDAAGTMSGACGYGNLYASG
 YGVHTTALSSALFKNGMACGACFEVQCGGK GKPKPGSVVVTATNFCPPNPGQSAN
 NGGWCNPPNEHFDLSYPAFVKIADPKAGAVPLQYRRVPCQKQGGIRFTINGNCNFIL
 VTITNVGGSGVVTAAYLKGDKTEWSPLSRNWGANWQCRRNYCGQGISIKIVTSDNK
 VSVTKLAKSDWCFGKTFIGKQV*

CDS (coding sequence)

>PpEXPA-09

ATGGTGACTGCAAGGATGGCTGCTATGTGGGTAGTGGCTCTTTTGCTGGTGAGCG
 GTGTGCTCGTGC ACTCCGAGGAGATAATACAGGCAACTGTTCGAGAAAGTCTCTGA
 CCGTCCCAGTTCACCTGCAGTCGAGACGTCGCCAGCGACTGTTGAAACTGAGCCC
 GAAAATCCATCAAACACGACGCACCAGGCTGTTCTTGCGGCTAGCTCGGTTCGGTA
 CTCAAGAGGTTCTAGTTTCACTTGATCTTACCCGTGGAACGTTGGAGGATGTACC
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 GCTGAAAATGATGGAGATACTGCTGCTTACCCTCCGAGGAACCAACTTCTGATG
 CTCCCGAAGTCGTATTCGCATCTGACCCGTCTGAACAATCGGGCCACTTAGTTCC
 AAACATGAACATAACGCTCGATGGATCCTCGGGAGCTGCTGGTGACGGGAGCTCT
 TTTACCCTTTGTTTCGATGACGCATCTGATTCAAATGAGGGGGGTGTGCTCACCG
 ACATTAATCTAGATCTTGGTGACGGCAAGCAAGGAGACTTCTCCACTGCGAGTTT
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 AGGTGACGACTCCCAGTCTGGTCATTTAGTGGAGGGGCTTGATATTAACATCGAT
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GAAGCGGAGAACGATGACGCCATTTTCTCTTCCAATGACGGGACTTTTGATCCAT
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AATGACGACATGGATTTAGATCCTAGCCTTGCTGACAACGATTTCTATGCCGAAC
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GGTACTGCGGCGTACTTGAAGGGCGACAAGACAGAGTGGTCTCCGTTGTCAAG
AAACTGGGGCGCGAACTGGCAGTGCAGGCGCAATTACTGCGGTCAAGGTATCTC
CATCAAGATCGTCACCAGTGACAACAAGGTTTCAGTCACGAAGCTAGCCAAATCT
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Nucleotide

>PpEXPA-09

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ACTTCGGATCCCCTTCTCTCCCCGCCCTCCCTCGCTTGCCTTAAGGCATGGTTGC
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