

IDENTIFICATION

Species: *Physcomitrium patens*

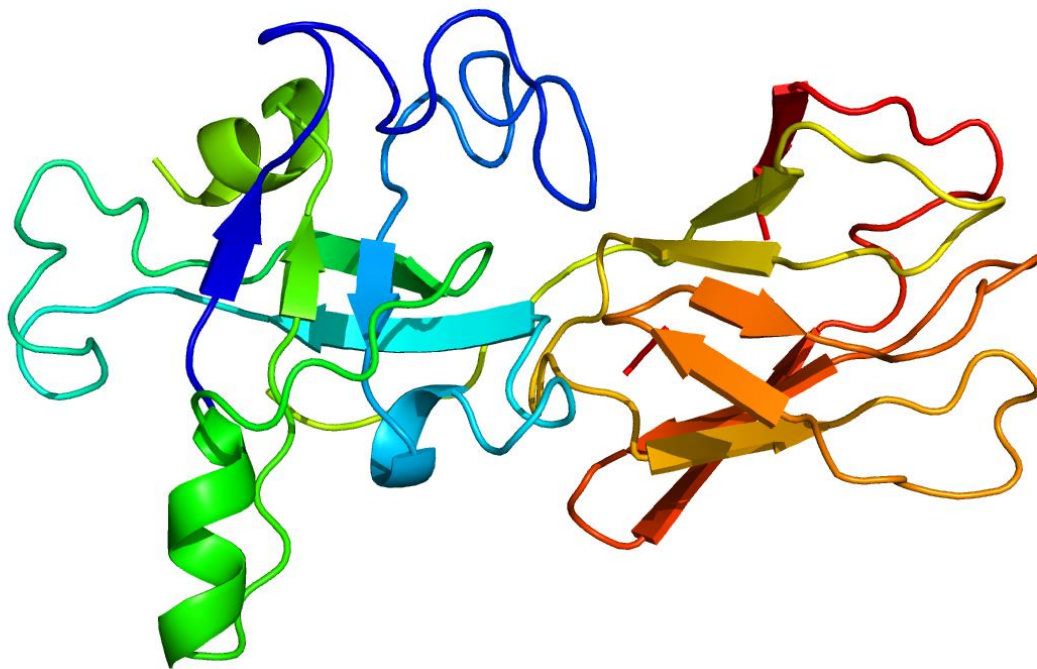
Locus: Pp3c7_25260V3

Gene Model: Pp3c7_25260V3.1.p

Description: PpEXPA-07

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>

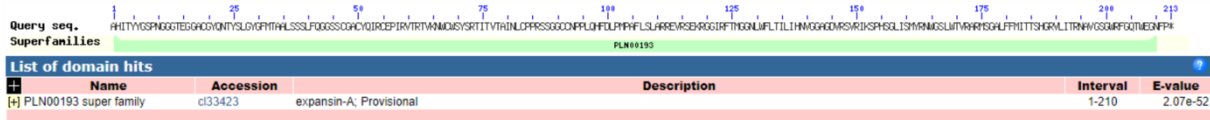
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-07

AHITYYGSPNNGGTEGGACGYQNTYSLGYGFMTAALSSSLFQGGSSCGACYQIRCEPI
RVTRTVKNWCWSYSRTITVTAINLCPFRSSGGCCNPPLQHFDLPMPAFLSLARREVRS
EKRRGIRFTMGGNLWFLTILHNVGGAGDVRSVRIKSPHSGGLISMRYRNWGLWTVRA
RMSGALFFMITTSHGRVLITRNAVGSWRFQGTWEGNFP*

CDS (coding sequence)

>PpEXPA-07

GCTCACATAACTTACTATGGCTCTCCCAATGGCGGTGGAACGGAAGGAGGTGCTT
GCGGGTACCAAACACTTACTCGCTGGGGTATGGCTTCATGACAGCGGCGTTGAG
CTCGTCTTTGTTTCAAGGTGGAAGCTCGTGCGGTGCGTGTTACCAGATCAGGTGC
GAACCCATTAGGGTTACACGCACCGTGAAGAACTGGTGCTGGAGCTACTCTCGAA
CCATCACAGTCACCGCCATAAACCTCTGCCACCGCGATCCAGTGGCGGATGTTG
CAATCCCCTCTCCAACACTTCGACTTGCCAATGCCTGCCTTCCTGAGTCTGGCAA
GGCGAGAAGTGCGCAGTGAGAAACGAGGTGGGATTCGGTTCACCATGGGAGGTA
ACCTCTGGTTCCTGACGATACTCATTCAACGTTGGCGGCGCGGGTGACGTGAG
ATCCGTCAGGATAAAATCACCACTCGGGGTTAATCTCCATGTATCGTAACTGG
GGCTCGCTGTGGACGGTCCGAGCGAGGATGTCCGGAGCACTGTTTTTCATGATCA
CCACTAGCCATGGTCGCGTTCTCATCACTCGGAACGCAGTGGGAAGCGGTTGGAG
GTTTGGCCAGACCTGGGAGGGAAATTTCCCTTAA

Nucleotide

>PpEXPA-07

CCCAATCTCTGGGCCAGTTCGAGAAGATTCTCGACTGCGTGGACCTGCCACTTAA
AGCTAATCTTTCAATCGATCTAGTGAACATGTTGAGAGTAAGACATCGGTTTCTG
AAAACATGGCTGCGCATATTGACCGCATCAAATTTCTTAGTACACGAATGGCC
TTGTGGGTCTTCGACGTAGCTGAATTGAAGGTGAGTTAATTGTTCCGTGAGAGATC
GTCTCTTGCTACCCTTGTTCCGGTGCATCGATGTGACGTCCTCTGCTGGTATTGTGC
CTCCTACTCCGCCAACTTGTGCGTGTGCATTGAATATTGTATGATGCGACAGACAT
ACATGGAGTGGAGAGTCACTCGACAGTAAGAATACACATTTGCGTTTCTGAGACA
ATTTGTGATTTGCGAAACACCATCACGACGATGGGCTCGACATCCAGTGTGATTC
TGCTCGCGGTTGTGCTTTTTGTAGCGCATATGGGACTGCCGGAGGTGCTCGGGGC

CCCGTATGGATAGAGAGATGCTCACATAACTTACTATGGCTCTCCCAATGGCGGT
GGAACGGAAGGAGGTGCTTGCGGGTACCAAAACACTTACTCGCTGGGGTATGGC
TTCATGACAGCGGCGTTGAGCTCGTCTTTGTTTCAAGGTGGAAGCTCGTGCGGTG
CGTGTTACCAGATCAGGTGCGAACCCATTAGGGTTACACGCACCGTGAAGAACTG
GTGCTGGAGCTACTCTCGAACCATCACAGTCACCGCCATAAACCTCTGCCACCG
CGATCCAGTGGCGGATGTTGCAATCCCCCTCTCCAACACTTCGACTTGCCAATGC
CTGCCTTCCTGAGTCTGGCAAGGCGAGAAGGTGGCGTCGCCCCGTTTAGTACAC
CAAAGTGCGCAGTGAGAAACGAGGTGGGATTCGGTTCACCATGGGAGGTAACCT
CTGGTTCCTGACGATACTCATTACAACGTTGGCGGCGCGGGTGACGTGAGATCC
GTCAGGATAAAATCACCACACTCGGGGTTAATCTCCATGTATCGTAACTGGGGCT
CGCTGTGGACGGTCCGAGCGAGGATGTCCGGAGCACTGTTTTTTCATGATCACCAC
TAGCCATGGTCGCGTTCTCATCACTCGGAACGCAGTGGGAAGCGGTTGGAGGTTT
GGCCAGACCTGGGAGGGAAATTTCCCTTAA