

IDENTIFICATION

Species: *Physcomitrium patens*

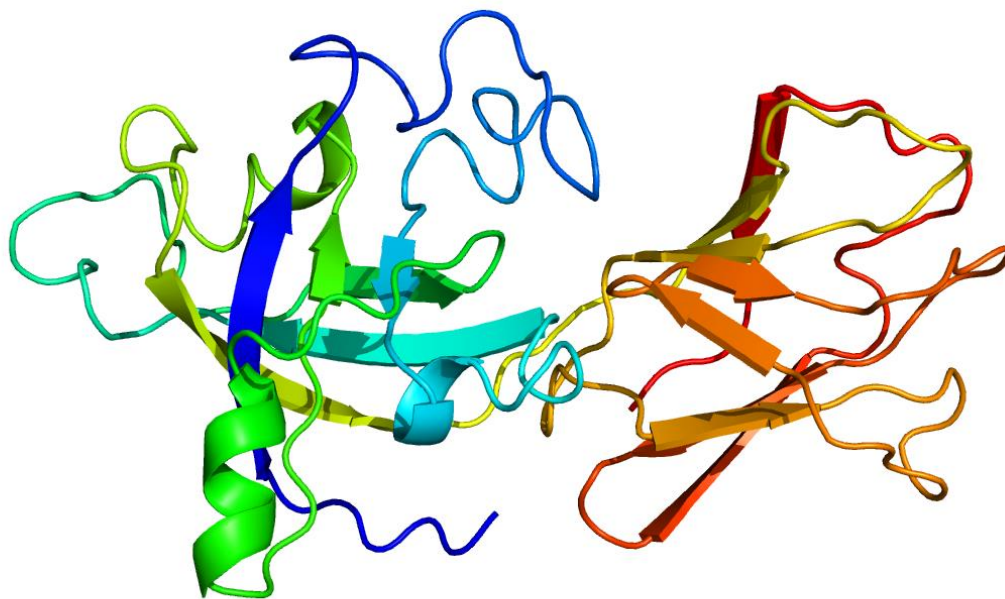
Locus: Pp3c8_14900V3

Gene Model: Pp3c8_14900V3.1.p

Description: PpEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

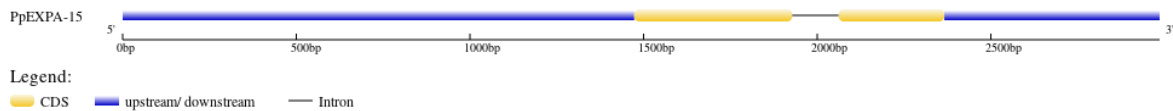
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

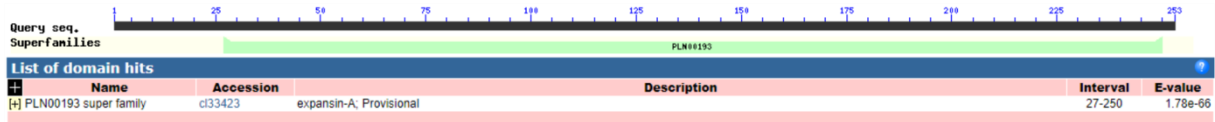
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-15

MKMSATSGVQLAVLLLALS VSSVLGGPFGWNFRITYYGSPNGGGTQGGACGYQNT
FALGYGTNTAALSSRLFQGG AACGACYQLRCIAPKWGKNWCWNYARSIVVTATNL
CPSGSNGGWCNPPNAHFDLPMPAFTSLARKEGGVTPIMYRRVRCARRGGIRFTIGGN
PFFLMVLIHNVGGAGDVRAVSIKGQYTGWVGMYRNWGLWTCTTKIDGALTRITT
GDGKTLILYNAVRKGWRFQGTWEGSQFR*

CDS (coding sequence)

>PpEXPA-15

ATGAAGATGAGCGCTACATCCGGTGTACAGCTCGCTGTCCTCCTTCTTGCGCTGA
GTGTATCTTCTGTGCTTGGAGGGCCATTTGGTTGGAACCTTGGACGCATCACCTAC
TACGGTTCTCCGAATGGAGGTGGAACGCAGGGAGGCGCTTGCGGGTATCAAAC
ACTTTCGCACTAGGATAACGGAATAACTGCTGCGTTGAGTTCACGTTTGTTC
AGGCGGGGCTGCCTGCGGAGCTTGCTACCAGCTCAGATGCATTGCGCCGAAATGG
GGTAAGAACTGGTGTGCTGGAACACTACGCAAGGTCCATCGTGGTTACTGCCACAAATC
TTTGCCCATCAGGTTCAAACGGAGGCTGGTGCAACCCTCCCAATGCCCACTTCGA
TTTGCCGATGCCTGCCTTCACTAGTCTAGCAAGGAAGGAAGGAGGTGTTACCCCT
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GAGGCAACCCTTCTTCTTGATGGTTCTCATTCAACGTTGGAGGTGCTGGTGAT
GTTAGGGCTGTGTCCATCAAGGGACAGTACACTGGGTGGGTGGGCATGTACCGTA
ATTGGGGTTCCTTGGACATGCACAACGAAGATTGATGGTGCCTGACTTTCAG
GATTACAACCGGTGATGGAAAAACACTAATTCTTTACAATGCTGTGCGCAAAGGT
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Nucleotide

>PpEXPA-15

TTTGCAACCCGACCCGGCCCCGACCCGCATATGCTTCACCGCCATCGCCGGTTCCA
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CTCTTGGCTTAAGCAAGGTCTGAGCAAAACTAGTGCATTGGTACGGGTCTTCTCA
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CGTGCATCAATTTGTTGTCAGGAGTTCCGAAGTGAACCTTGTAATCCTTCCCTGTAC
CATGC