

IDENTIFICATION

Species: *Phaseolus vulgaris*

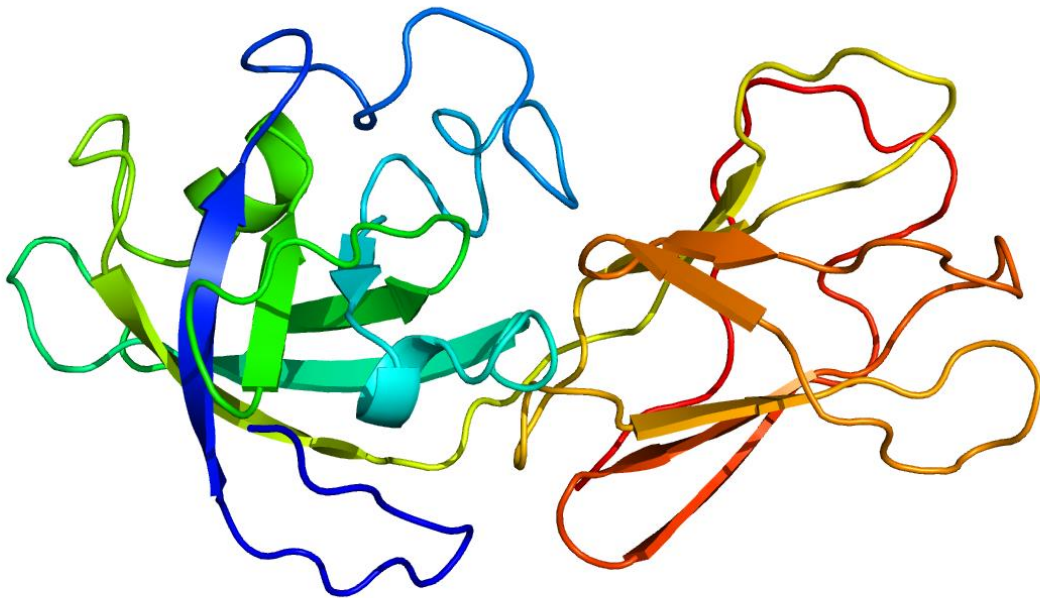
Locus: Phvul.008G240800

Gene Model: Phvul.008G240800.1.p

Description: PvEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

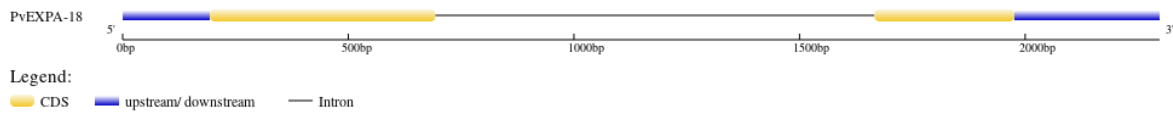
Phytozome: https://phytozome-next.jgi.doe.gov/info/Pvulgaris_v2_1

KEGG: <https://www.genome.jp/entry/gn:T03093>

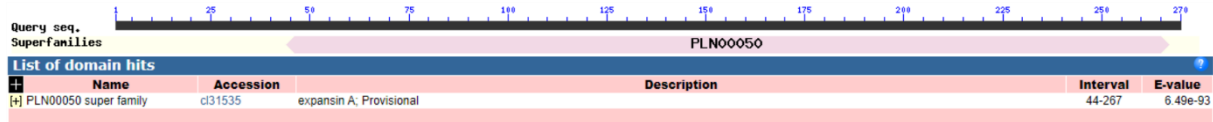
EXTERNAL RESOURCES

<https://www.pulsedb.org/organism/636>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PvEXPA-18

MSPFAVAAAPFTLSILLTLVSAHYSSSSSYSPPSLQASPEFAEWRSAHATYYAADPR
DAVGGACGYGDLVKGGYGMATVGLSETLFRGQICGACFELRCVDDNRWCIPGTSII
VTATNFCAPNHGFTSDGGGHCPNPNKHVFLPIEAFEKIAIWKAGNMPVQYRRIKCRK
EGGMRFTVTGSGIFISVLISNVAGHGDILAVKVKGSRTGWLSMGRNWGQNWVHVNAL
LQNQPLAFEVTSSDEKIVTSYNVAPKDWTFGQTFEGKQFET*

CDS (coding sequence)

>PvEXPA-18

ATGTCACCATTTCGCAGTTGCCGCAGCACCATTCACTGTCCATTCTCCTTACGCT
CGTCTCCGCTCACTACTCCTCCTCTTCCCTACTCTCCGCCCTCTCTGCAAGCTTC
GCCGGAGTTCGCCGAGTGGCGATCCGCGCACGCCACCTACTACGCCGCTGCGGAT
CCTCGCGACGCGGTGGGCGGCCTGCGGCTACGGAGACCTCGTCAAGGGCGGC
TACGGCATGGCCACCGTGGGCCTCAGCGAGACGCTGTTTGAACGCGGCCAGATCT
GCGGCGCATGCTTCGAGCTGCGCTGCGTGGACGACAACCGGTGGTGCATCCCCGG
CACCTCCATCATCGTCACGGCCACGAACTTCTGCGCCCCCAACCACGGGTTACCC
TCCGATGGCGGTGGCCACTGTAACCCTCCCAACAACACTTCGTTCTCCCCATCG
AAGCCTTTGAAAAGATCGCCATTTGGAAAGCCGCAACATGCCCGTACAGTACCG
CAGGATAAAATGTAGGAAGGAAGGAGGGATGCGATTTACTGTTACTGGTTCTGG
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GTGAAGGTTAAAGGGTCAAGAACGGGTTGGCTCTCCATGGGTGCGGAATTGGGGG
CAAATTGGCATGTAATGCATTGCTGCAGAATCAACCCCTTGCCTTCGAAGTTA
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Nucleotide

>PvEXPA-18

GTCCGATATGGATATAACCATTTAAGAAGAAGTGTATTCGTAGATAATAATAGAAA
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TGAGGAATTTATTGAAAGCTTCTAAATCGACTGATTAATAAACTAGTATAATGCA
CAAGTGTGGTAAACTTCAATAAATTTTCAGTTAATTATAGAAATAGTGTTTAAA
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TCCTGCTACCTTCAAACCTTGTCTTAAAT