

IDENTIFICATION

Species: *Phaseolus vulgaris*

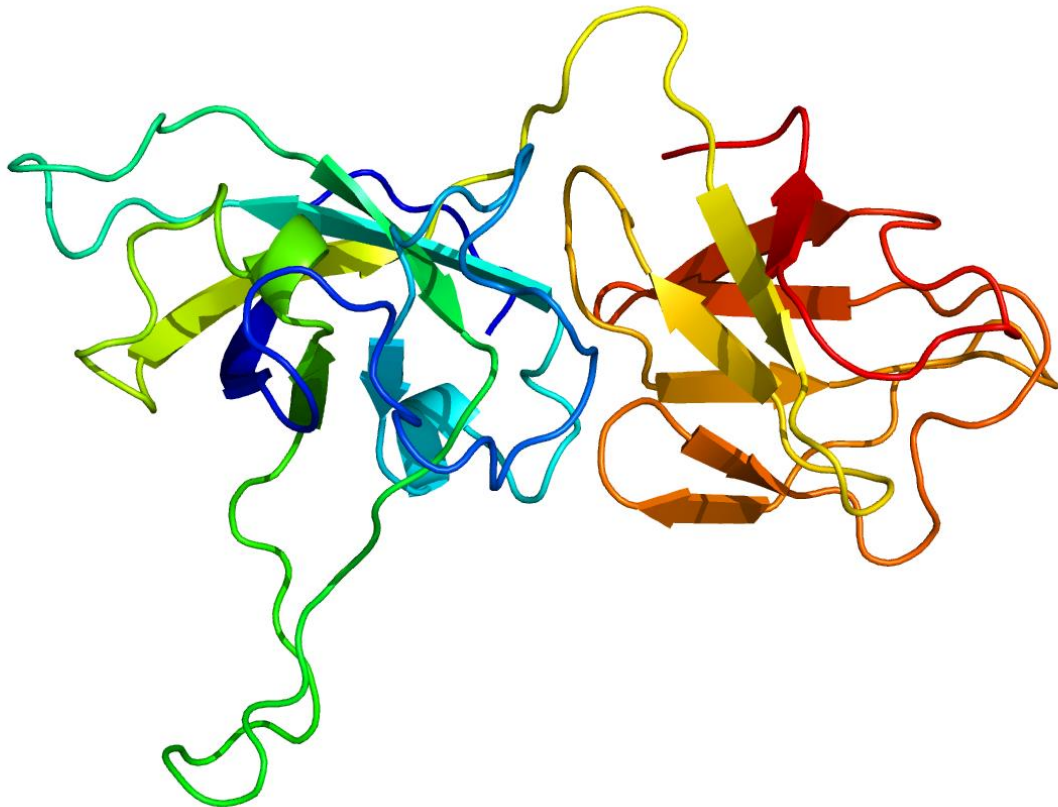
Locus: Phvul.002G170300

Gene Model: Phvul.002G170300.2.p

Description: PvEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

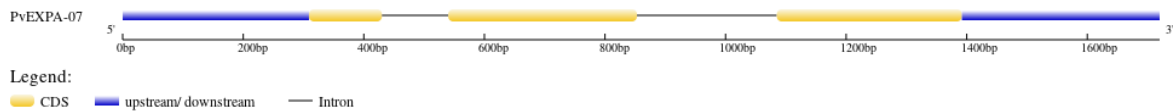
Phytozome: https://phytozome-next.jgi.doe.gov/info/Pvulgaris_v2_1

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

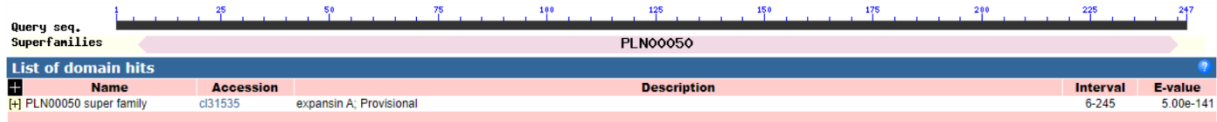
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PvEXPA-07

MALVILMGFLTVFSSAHAYDGGWTTAHATFYGGSDASGTMGGACGYGNLYSQGYG
TNTAALSTALFNGLSCGSCFEIRCANDHKWCLPGSILVTATNFCPPNNALPNNAGG
WCNPPLQHFDLAQPVFLRIAQYRAGIVPVSYRRVPCRRKGGIRFTINGHSYFNLVLITN
VGGAGDVHGVAVKGSKTGWAPMSRNWQNWQSNLYLNGQSLFSKVTTS DGRTVV
SNNVAPAGWSFGQTYTGAQFR*

CDS (coding sequence)

>PvEXPA-07

ATGGCTCTTGTTATCTTGATGGGTTTTCTCACAGTATTCTCCTCTGCTCATGCTTAT
GATGGAGGGTGGACTACTGCTCATGCCACTTTCTATGGTGGGAGTGATGCATCAG
GGACAATGGGTGGGGCATGTGGGTATGGGAACCTCTACAGCCAAGGCTACGGAA
CAAACACTGCTGCTTTGAGCACTGCACTGTTCAACAATGGTTTAAGCTGCGGCTC
TTGCTTTGAGATTAGGTGTGCCAATGACCACAAGTGGTGCCTTCCAGGCTCCATTT
TGGTAACTGCAACCAATTTCTGTCCACCAACAATGCCTTACCAACAATGCTGG
TGGCTGGTGTAAACCCTCCTCTTCAACACTTTGATCTCGCTCAACCTGTCTTCCTGC
GCATTGCTCAATACCGCGCTGGAATTGTGCCTGTTTCCTACAGAAGGGTGCCCTG
CAGGAGAAAGGGAGGGATCAGGTTACCATCAATGGGCATTCTTACTTCAACCTA
GTCCTCATCACAAACGTTGGTGGTGTGCTGGGGATGTGCATGGTGTGGCCGTCAAAG
GTTCAAAAACACTGGTTGGGCGCCAATGTCAAGGAACCTGGGGTCAGAACTGGCAGA
GCAACAACACTATCTGAATGGTCAAAGCCTTTCTTCAAGGTTACAACAAGTGATGG
GCGAACTGTGGTGTCTAACAAATGTTGCTCCTGCTGGTTGGTCATTTGGACAAACCT
ACACTGGTGTCAATTCCGGTAG

Nucleotide

>PvEXPA-07

GGTTTTTTGGTCTAAAGGAATTCAAAAACAGTTAGTTGAACTTGTGACTGTGGCC
TATTTTCCCAACTACTCTCTGGCAGGGCCTATAAATTAGGTCGCACCCCTCTCA
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TCTATTGAAGTAATTTCCCTTTAATTTGTACCTGAATTTGTTGTTCCATCTTTGGG
AGGCTGAAGAGTTACGTCTTACGCTAGACAAAGGTCGTTTACATGATTTGTCTGA
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GATCTCGCTCAACCTGTCTTCCCTGCGCATTGCTCAATACCGCGCTGGAATTGTGCC
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GCTAAATAGAAGCTAGGGGAGGTGGAGTTTTAATTTTATAATGTATGGG