

## IDENTIFICATION

**Species:** *Phaseolus vulgaris*

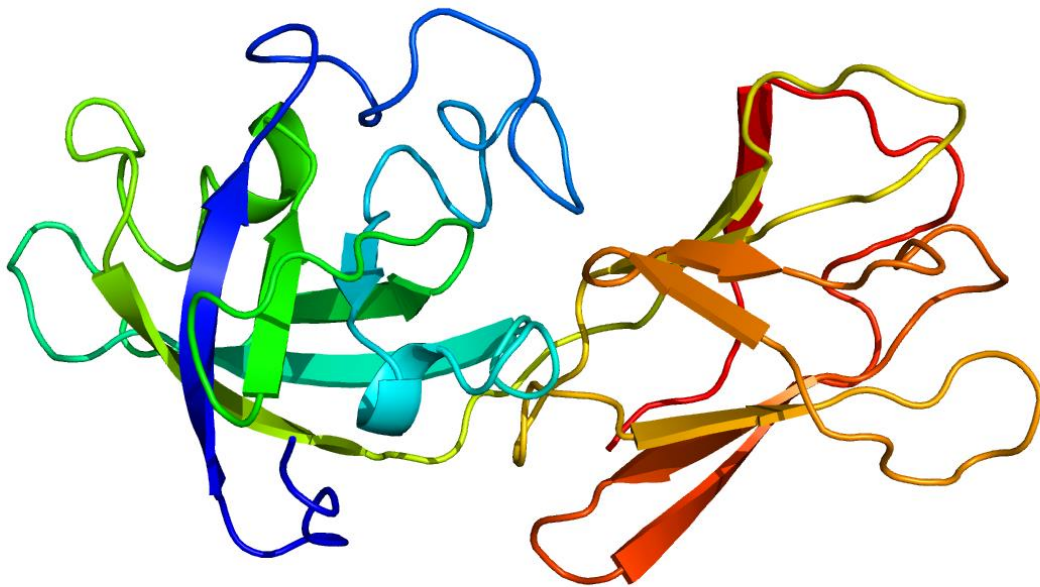
**Locus:** Phvul.002G152900

**Gene Model:** Phvul.002G152900.1.p

**Description:** PvEXPA-06

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

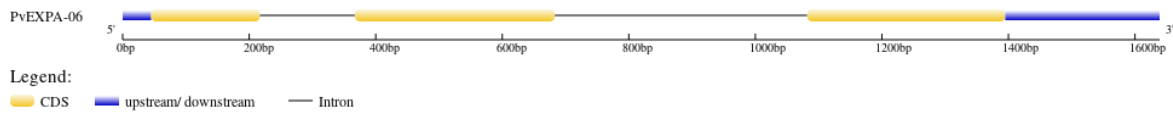
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Pvulgaris\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Pvulgaris_v2_1)

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

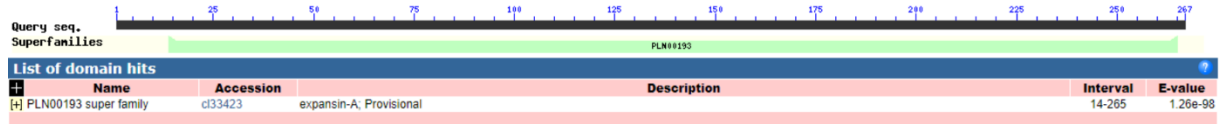
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PvEXPA-06

MPSTLQPSTLLFAFTMKFMFILMFMGDKAIAAGIFRPSQWALAHATFYGDETASATM  
GGACGYGNLFQNGYGTDTVALSSTLFNNGYACGTCYQIKCYQSSACYKNVAFTT  
ATNLCPPNWAQPSNNGGWCNPPRVHFDMAKPAFMKIAQWKAGIVPVMYRRVPCVR  
KGGLRFTFQNGYWLLVYMMNVGGGGDISSMSVKGSRGTGWISMHNWGASYQAF  
ATLGGQPLSFRITSYTTKETIIAWNVAPSNWNVGLTYSTSVNFR\*

### CDS (coding sequence)

>PvEXPA-06

ATGCCTTCAACTCTTCAACCTTCTACCTTGTTGTTGCTTTTACAATGAAGTTCATG  
TTCATTCTCATGTTTCATGGGAGACAAAGCAATAGCTGCGGGGATATTTTCGACCCA  
GTCAATGGGCTCTTGCTCATGCCACCTTTTACGGTGATGAGACTGCTTCTGCCACT  
ATGGGAGGAGCATGCGGGTACGGGAATTTATTTCAAAATGGTTACGGCACAGAT  
ACTGTGGCTTTAAGTTCTACGTTGTTCAACAATGGATATGCGTGTGGAACCTTGTTA  
TCAAATAAAATGTTACCAATCAAGTGC GTGTTATAAGAATGTAGCTTTTACCACA  
GTGACTGCCACCAATCTTTGCCCTCCTAACTGGGCACAACCCTCAAATAACGGAG  
GCTGGTGAACCCACCACGAGTGCAATTTGACATGGCCAAACCCGCTTTCATGAA  
AATTGCGCAGTGGAAAGCTGGCATCGTCCCTGTTATGTACCGCAGAGTGCCATGT  
GTAAGGAAGGGAGGGCTGCGATTCACCTTTCAAGGAAATGGGTACTGGCTTTTGG  
TGTACATGATGAACGTGGGAGGTGGAGGAGATATTTCAAGCATGTCGGTGAAAG  
GAAGCAGA ACTGGGTGGATCAGCATGAGCCACA ACTGGGGTGCTTCATATCAAG  
CATTTGCAACTCTTGGTGGCCAACCTCTTTCTTTCAGGATTACTTCATACACCACC  
AAGGAAACTATCATTGCATGGAATGTTGCTCCTTCAA ACTGGAACGTGGGACTAA  
CTTATTCCACCTCTGTTAACTTCCGCTGA

### Nucleotide

>PvEXPA-06

ATTGCATTCTTCTCCTCTACAATTA AACTATTCAA AACTTCACCATGCCTTCAAC  
TCTTCAACCTTCTACCTTGTTGTTGCTTTTACAATGAAGTTCATGTTCAATTCTCAT  
GTTTCATGGGAGACAAAGCAATAGCTGCGGGGATATTTTCGACCCAGTCAATGGGCT  
CTTGCTCATGCCACCTTTTACGGTGATGAGACTGCTTCTGCCACTATGGGTATGTT  
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ACATGGCCAAACCCGCTTTCATGAAAATTGCGCAGTGGAAAGCTGGCATCGTCCC  
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GAAAGTGCCTGTTGATGCCTTATCATAAATTTCTTAGCAGTTCATCATTGTATAAA  
TAACTAGATGTTAGTACTAAGTATGGTCAAATTTATAAAACCGGTTTATAAAATG  
AGATTTGCCCCACAATACGAGAACTTACTCTTATATGAGACTATATATTATAGG  
TGTTCCAATAACTGACCTGATAACGACAGTCGTTAACATAAACTCAAATGATTC  
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AACTTGAGTTATAATAATGACTTAATCCAA