

IDENTIFICATION

Species: *Phaseolus vulgaris*

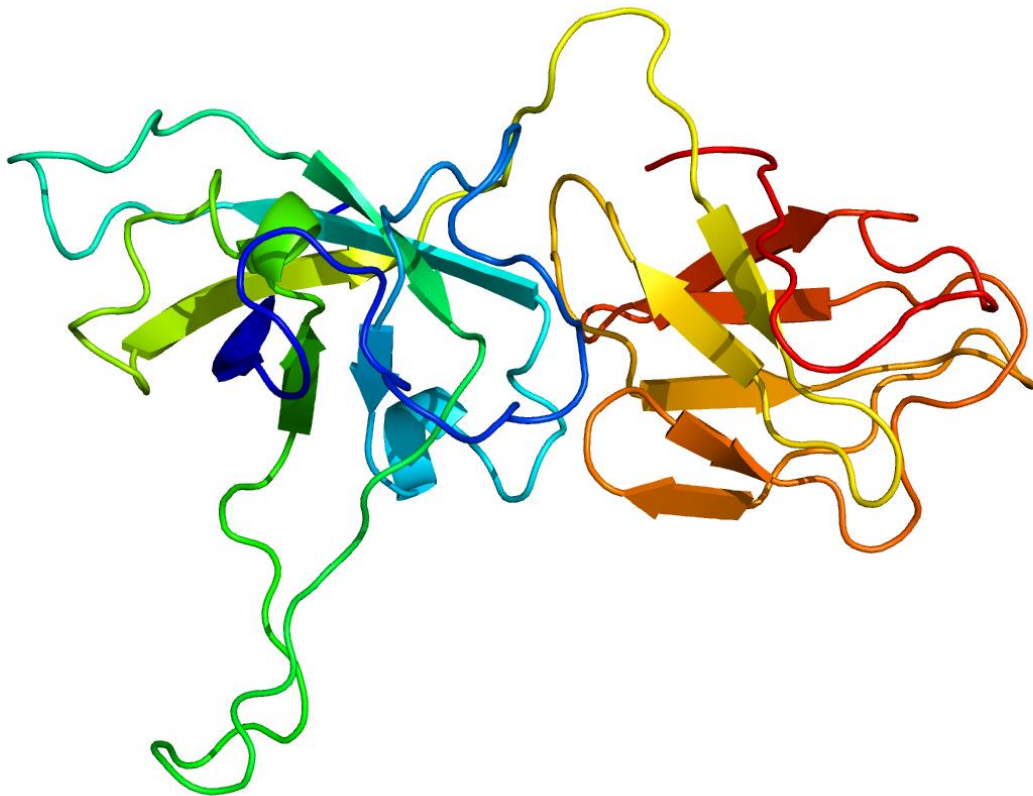
Locus: Phvul.006G077200

Gene Model: Phvul.006G077200.1.p

Description: PvEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

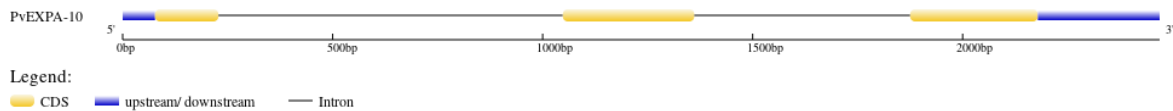
Phytozome: https://phytozome-next.jgi.doe.gov/info/Pvulgaris_v2_1

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

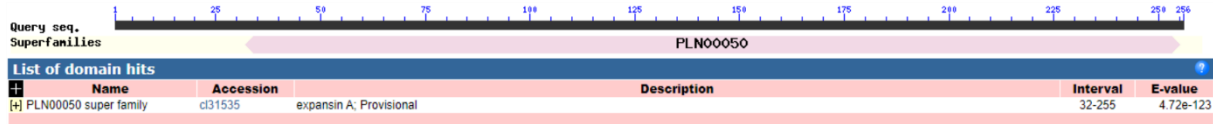
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PvEXPA-10

MAHKELSIALLTLIVVLFVNMNMQGATADYGGWQGGHATFYGGGDASGTMGGACG
YGNLYSQGYGTDVALSTALFNGLSCGSCFEMRCDDDPWCKPGTITVTATNFCPP
NPSLPNNGGWCNPPQLQHFDMAEPAFLQIAEYRAGIVPVAFRRVPCA KKGIRFTING
HSYFNLVLITNVGGAGDVHSVSIKGSKTGWQPMSRNWQNWQSN SYLNGQALS FQ
VTTSDGRTVASYNVAPGNWQFGQTFQGGQF*

CDS (coding sequence)

>PvEXPA-10

ATGGCACACAAGGAAC TTTCCATTGCTCTTCTGACTCTCATTGTTGTTCTCTTTGTT
AACATGAATCTCCAAGGTGCCACTGCTGACTATGGTGGTTGGCAGGGTGGTCATG
CCACTTTCTATGGTGGGGGTGATGCTTCTGGCACAATGGGTGGAGCATGTGGGTA
TGGA AATTTGTATAGCCAGGGTTATGGAACAGACACTGTGGCTCTTAGCACTGCT
TTGTTCAACAATGGCTTAAGCTGTGGTTCTTGCTTTGAAATGAGATGTGATGATGA
CCCAAGATGGTGCAAACCTGGCACTATTACAGTCACTGCTACTAACTTCTGCCCC
CCAAATCCATCTTTGCCTAACAACAATGGTGGTTGGTGCAACCCACCTTTGCAAC
ACTTTGATATGGCTGAACCTGCCTTCTTCAAATGCTGAATATAGAGCTGGTATT
GTGCCGGTAGCCTTCAGAAGGGTTCCTTGTGCAAAGAAGGGAGGAATAAGATTC
ACTATCAATGGTCACTCTTACTTCAATCTAGTTTTGATCACCAATGTGGGGTGGTGC
TGGGGATGTGCATT CAGTGTCCATCAAAGGGTCCAAA ACTGGATGGCAACCCATG
TCAAGGAATTGGGGCCAAA ACTGGCAGAGCAACTCCTACCTCAATGGACAAGCC
CTCTCATTTC AAGTGACCACCAGTGATGGCAGA ACTGTGGCAAGCTACAATGTGG
CACCAGGCAATTGGCAATTTGGCCAGACCTTCCAAGGAGGCCAGTTCTAG

Nucleotide

>PvEXPA-10

CTTGACCTCACAGCATAGCAAAGAAAGTGCACATTCCTCTGTTTTGCTCCCCTGTT
TAGGCCTTATCATAGCTCACAATGGCACACAAGGAACTTTCCATTGCTCTTCTGAC
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ATGAAAATCTAGTCACTTGTCAAAGATTTTCAGTTATGTGAAATTCCTTGCAAAC
TACTCTTTTAAACATTGTAAAGAAATAAACTCCTTTTAAATTATTATTATTATTG
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