

IDENTIFICATION

Species: *Phaseolus vulgaris*

Locus: Phvul.001G219700

Gene Model: Phvul.001G219700.1.p

Description: PvEXPA-03

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>

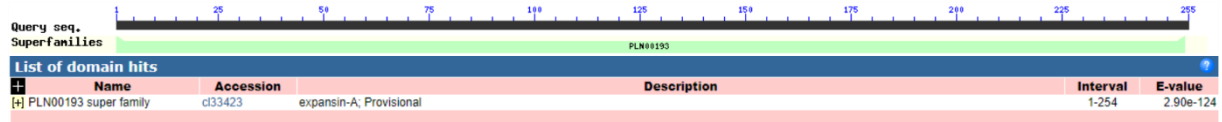
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PvEXPA-03

MEKFIMKAFILIVVLFTELGVASAAWLQAHATFYGGPHASGTMGGACGYGNLYID
GYGIRTAALSTVLFNDGKACGGCYTIFCNAKKAPQWCLRGTSITITATNFCPPNYALP
NDNGGWCNPPRPHFDMSQPAFETIAKYKAGIVPIFYRKVMCKRNGGIRFTIHGKNYF
ELVVISNVGGVGEISRVMKASKINQWESMTRNWDGANWQSLKYLNGQSLSFKVQLV
NGETRtaynvapsnwrfgqsfRTNVQF*

CDS (coding sequence)

>PvEXPA-03

ATGGAAAAGTTCATTATGAAGGCTTTCATATTGATTGTGGTGCTATTCACTACAG
AACTTGGAGTAGCATCAGCTGCATGGTTGCAAGCTCATGCAACTTTCTATGGTGG
GCCTCACGCCTCAGGAACAATGGGAGGTGCATGTGGCTATGGAAATCTCTACATA
GATGGTTATGGTATAAGAACAGCTGCTTTGAGCACTGTTTTGTTTAATGACGGAA
AAGCGTGTGGTGGTTGTTATACTATATTTTGTAAACGCAAAAAAAGCACCCCAATG
GTGCCTTAGGGGCACTTCCATCACTATCACTGCCACGAATTTCTGTCTCCAAACT
ATGCTCTTCCTAATGACAATGGTGGTTGGTGTAACTCCTAGACCACACTTTGAC
ATGTCCAACCTGCATTTGAGACAATAGCAAAGTACAAAGCTGGGATTGTACCAA
TTTTTTACAGGAAAGTTATGTGCAAAAGAAATGGAGGCATCAGATTTACCATCCA
TGGGAAAAACTATTTTGAATTGGTGGTTATAAGCAACGTTGGTGGAGTTGGAGAG
ATTTCTAGAGTTTGGATCAAAGCGTCCAAAATAAACCAGTGGGAAAGCATGACA
AGAAATTGGGGTGCTAACTGGCAAAGCTTGAATATCTGAATGGTCAGAGTTTGT
CTTCAAAGTTCAACTCGTCAATGGGGAGACTCGCACTGCATACAATGTAGCACC
CTCCAATTGGAGATTTGGCCAGTCTTCCGCACCAATGTTCAAGTTCTGA

Nucleotide

>PvEXPA-03

ATGGAAAAGTTCATTATGAAGGCTTTCATATTGATTGTGGTGCTATTCACTACAG
AACTTGGAGTAGCATCAGCTGCATGGTTGCAAGCTCATGCAACTTTCTATGGTGG
GCCTCACGCCTCAGGAACAATGGGTAATTAATTACAATTCTCTCACTTTTTTCCTT
CATCATCTCTCTAGTTCAATTGAAATGTAAAGTCCCAGCAATTAATTTACGTACAA
TGAAGTGCAATAGATAAATAAATCACTATCAACTCAATTGTTTTTCATTGGCAG
GAGGTGCATGTGGCTATGGAAATCTCTACATAGATGGTTATGGTATAAGAACAGC

TGCTTTGAGCACTGTTTTGTTTAATGACGGAAAAGCGTGTGGTGGTTGTTATACTA
TATTTTGTAACGCAAAAAAAGCACCCCAATGGTGCCTTAGGGGCACTTCCATCAC
TATCACTGCCACGAATTTCTGTCCTCCAACTATGCTCTTCCTAATGACAATGGTG
GTTGGTGTAATCCTCCTAGACCACACTTTGACATGTCCCAACCTGCATTTGAGACA
ATAGCAAAGTACAAAGCTGGGATTGTACCAATTTTTTACAGGAAGTATGTTTACA
TTATGTGATATATATATATATATATGTCTTAACCATCTTTGTGCTCCTCTTATGAAAA
GTCTTTAAATGACATCATATGAACTAAGTTGGGCTAACTGATATTCATATTATGCA
GAGTTATGTGCAAAAAGAAATGGAGGCATCAGATTTACCATCCATGGGAAAAACT
ATTTTGAATTGGTGGTTATAAGCAACGTTGGTGGAGTTGGAGAGATTTCTAGAGT
TTGGATCAAAGCGTCCAAAATAAACCAGTGGGAAAGCATGACAAGAAATTGGGG
TGCTAACTGGCAAAGCTTGAAATATCTGAATGGTCAGAGTTTGTCTTTCAAAGTT
CAACTCGTCAATGGGGAGACTCGCACTGCATACAATGTAGCACCCCTCCAATTGGA
GATTTGGCCAGTCTTTCCGCACCAATGTTTCAGTTCTGA