**IDENTIFICATION**

**Species:** *Arachis ipaensis*

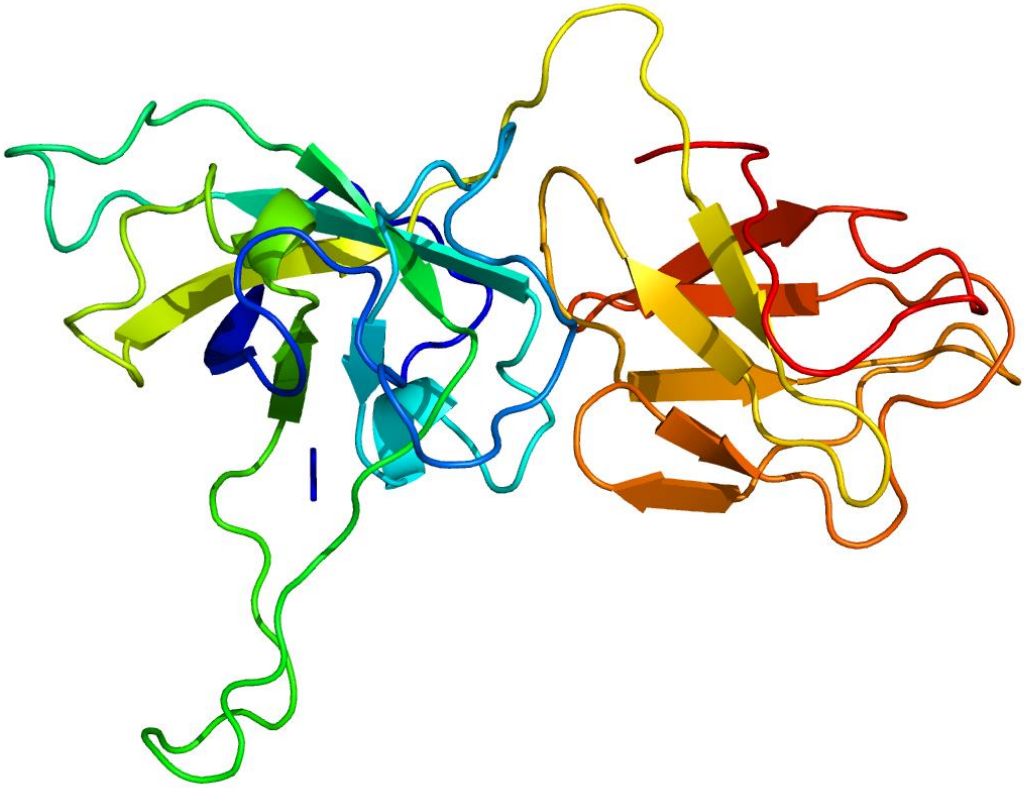
**Locus:** XP_016200824

**Gene Model:** XP_016200824.1

**Description:** AipEXPA-01

**Family:** Alpha Expansin

**3D structure:**



**GENOME DATABASES**

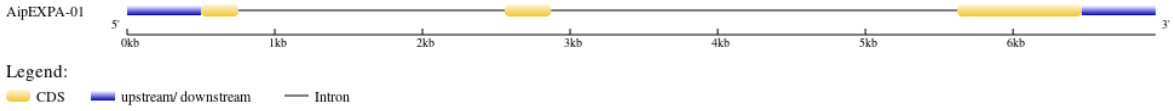
NCBI: https://www.ncbi.nlm.nih.gov/genome/35711?genome_assembly_id=315604

KEGG: https://www.genome.jp/entry/T04301

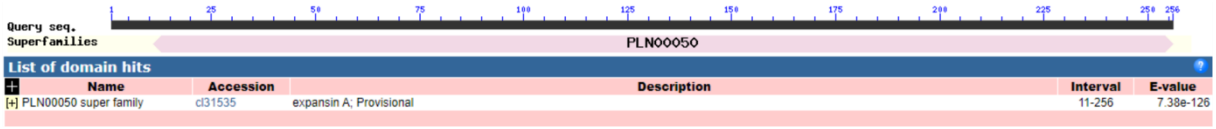
**EXTERNAL RESOURCES**

https://peanutbase.org/organism/Arachis/ipaensis

## GENE STRUCTURE




## DOMAIN ARCHITECTURE




## SEQUENCES

### Peptide

>AipEXPA-01

MPQQEFSMALMILLIVLSIDMIIMQGATADYGGWESAHATFYGGGDASGTMGGACG
YGNLYSQGYGTNTAALSTALFNNGLSCGSCYEMKCNDDPRWCKPASIIVTATNFCPP
NPALPNNNGGWCNPPLQHFDMAEPAFLQIAEYRAGIVPVAFRRVPCMKKGGIRFTIN
GHSYFNLVLVTNVGGAGDVHSVSIKGSRTGWQSMSRNWGQNWQSNSYLNGQTLSF
QVTASDGRTVTSFNVAPSNWQFGQTFQGSQF

### CDS (coding sequence)

>AipEXPA-01

GGTCCCTCATACACATTAGAACTCAGAGCAGAGGAAAGGAACAACAATTTGAAC
CTTCCCCTGTTTCTTACCAAAGGCTTAGAAGTTAGAACAAAGGAGAATGCCACAA
CAAGAGTTTTCAATGGCTCTAATGATTCTTCTCATTGTTCTCTCCATTGACATGAT
TATCATGCAAGGTGCCACAGCTGACTATGGTGGTTGGGAGAGTGCTCATGCCACT
TTCTATGGTGGTGGTGATGCCTCTGGCACAATGGGAGGTGCTTGTGGATATGGGA
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CAACAATGGACTAAGCTGTGGATCATGCTATGAGATGAAGTGTAATGATGACCCA
AGATGGTGCAAGCCGGCTTCCATCATCGTCACGGCCACCAACTTCTGCCCGCCGA
ACCCGGCTCTGCCCAACAACAATGGTGGTTGGTGCAACCCTCCTTTGCAGCACTT
TGATATGGCTGAGCCAGCATTCTTGCAAATTGCTGAATATAGGGCTGGAATTGTG
CCTGTTGCTTTTAGAAGAGTTCCTTGCATGAAGAAGGGAGGAATAAGATTCACCA
TCAATGGCCACTCTTACTTCAACCTAGTTTTGGTAACAAACGTTGGAGGTGCTGGT
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GTATTATTGTGATACTCTTCCTTTAAGAGATGTATCTTTTGCTTGTTTTATTTGTAG
CAAAGAGATTTCAAAATTTAATTTAA

**Nucleotide**

>AipEXPA-01

GAGTCACTTTTTATTTTTAATATTAGAGAAGAATGAGTAAATATTAAGGTTCTGA
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ACTGGTTGAAAATTGGTTGATCGGACCGAATTGGAACTCGACCGGTTTTTACATT
TCAACTCACCGTTTTGAATTTTAAATTTAAAAAAATTGAAAAAAAAAAAGAGTCT
CACCGAGTCCTTAACCTACCCATAATAGTGGATAACACACCATGTTTGTCCATTTT
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