

## IDENTIFICATION

**Species:** *Arachis ipaensis*

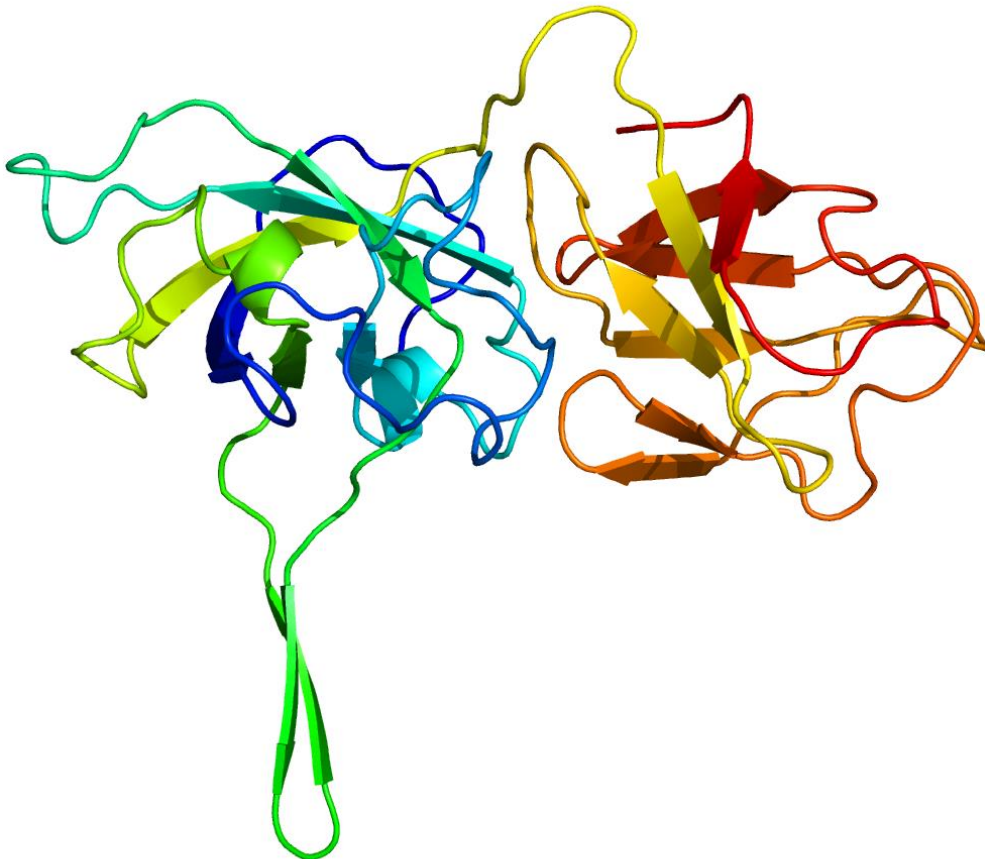
**Locus:** XP\_016187785

**Gene Model:** XP\_016187785.1

**Description:** AipEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

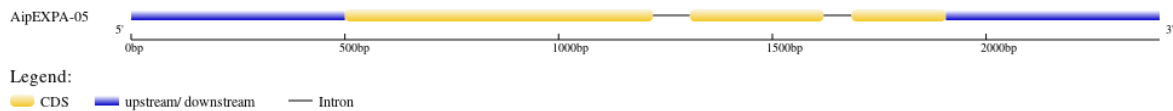
NCBI: [https://www.ncbi.nlm.nih.gov/genome/35711?genome\\_assembly\\_id=315604](https://www.ncbi.nlm.nih.gov/genome/35711?genome_assembly_id=315604)

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

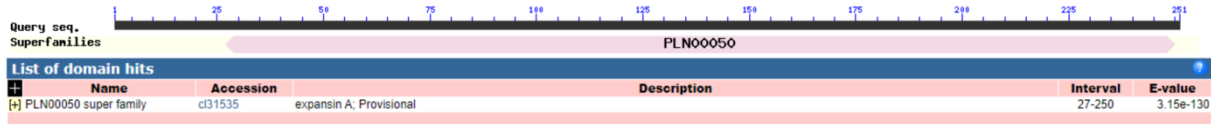
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>AipEXPA-05

MVDFVLVGFSLLLGCCCPVYGVGEGGWSNAHATFYGGGDAADTMGGACGYGNL  
NSEGYGRNTAAVSSALFNGLSCGACFQIKCVNDKSWCLPRSVVVTATNFCPPNHAL  
PSTAGGWCNPPLHHFDLAQPVFQQIANVRAGIVPVA YTRVPCQKRGGMRFTINGHA  
YFNLVLIGNVGGAGDVHAVSIKGSKTNWQSMSRNWGQNWQSN SYLNGQTL SFKVT  
TSDGRTLISNNVAPPSWSFGQTF TGLQFP

### CDS (coding sequence)

>AipEXPA-05

AAATGTAAGCTGTGTTTTTAAATTCCATCCTCATAACTCATCACTCTATATAGCTT  
GCTAGCTAGCTGGTAATTAATTAATAAGAATGGTTGATTTTGTGTTGGTGGGATTT  
CTGTCCCTGCTGCTGGGATGTTGTTGTCCTGTTTATGGTGTGGCGAAGGAGGTTG  
GAGCAATGCCCATGCAACCTTCTACGGCGGGGGTGATGCTGCTGACACAATGGGT  
GGAGCGTGTGGATATGGGAACCTGAACAGCGAAGGGTACGGGAGAAACACAGC  
AGCTGTGAGCAGTGCCCTCTTCAACGGAGGCCTGAGCTGCGGAGCATGCTTCCAG  
ATCAAGTGCGTCAATGACAAGAGCTGGTGTCTGCCGAGGTTCGGTGGTGGTTCACGG  
CCACCAATTTCTGCCCTCCAACACGCCCTCCCTAGCACCGCCGGCGGATGGTG  
CAACCCTCCCCTCCACCCTTCGATCTGGCTCAGCCTGTCTTCCAACAGATTGCCA  
ATGTCAGAGCTGGCATAAGTCCCTGTTGCCTACACAAGGGTACCATGCCAAAAGAG  
AGGAGGCATGAGGTTACCATCAACGGCCATGCATACTTCAACTTAGTACTAATC  
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ACCAATTGGCAATCCATGTCAAGGAACTGGGGTCAGAACTGGCAGAGCAACTCA  
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## Nucleotide

>AipEXPA-05

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CACTGGTGGTAACCTTGAAGGAGAGGGTTTGGCCGTTGAGGTATGAGTTGCTCTG  
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