

IDENTIFICATION

Species: *Trifolium pratense*

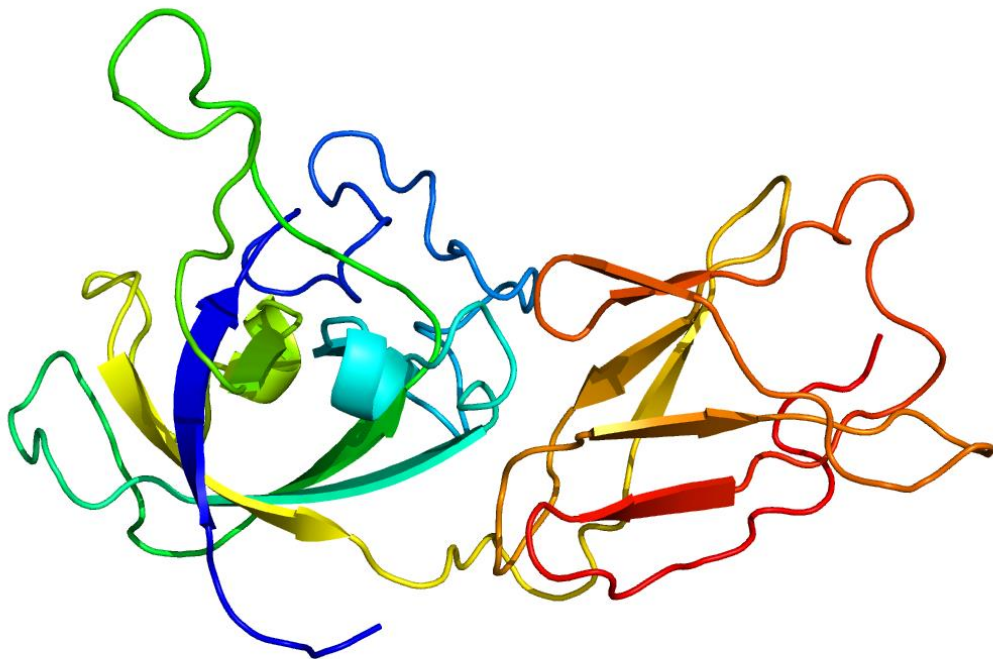
Locus: Tp57577_TGAC_v2_mRNA3101

Gene Model: Tp57577_TGAC_v2_mRNA3101

Description: TprEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

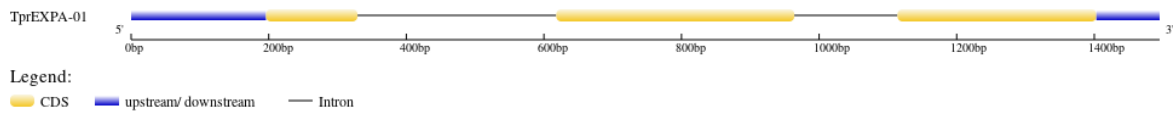
Phytozome: https://phytozome-next.jgi.doe.gov/info/Tpratense_v2

KEGG:-

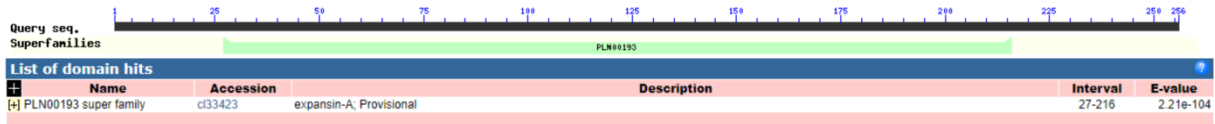
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>TprEXPA-01

MEKTIFICVVVLVGLFTSELRIASAIWQQAHAATFYGGSDASGTMVINLNFVGGACGY
GNLYTDGYGIKTAALSTALFNDGKSCGGCYQIVCDASQVPQWCLRGTSTITATNFCP
PNFDLPSDNGGWCNPPRPHFDMSQPAFQTIKYGKAGIVPILYRKVVGCKKSGGIRFTIN
GRDYFELVLISNVGGAGDISNVWIKGSKMNTWESMSRNWGVNXXXXXSESNSVMV
RLVQLLMWHPLVGDVLSLSSARFSSE*

CDS (coding sequence)

>TprEXPA-01

ATGGAAAAACAATATTCATTTGTGTAGTAGTGCTTGTAGGGTTGTTACCTCAG
AACTAAGGATAGCCTCAGCAATTTGGCAACAAGCTCATGCAACTTTCTATGGTGG
AAGTGATGCCTCAGGAAGTATGGTAATTAAGTGTGTTAATTTGTAGGGGGTGCA
TGTGGATATGGAAATCTATACACAGATGGTATGGAATAAAAACAGCTGCTTTGA
GTACTGCTTTATTTAATGATGGCAAATCATGTGGCGGTTGCTATCAGATTGTTTGT
GATGCAAGTCAAGTTCCTCAATGGTGCCTCAGAGGAAGTCCATAACAATTACTG
CCACAAATTTCTGTCCCCAACTTTGATCTCCCTAGCGACAATGGTGGTTGGTGT
AATCCTCCTAGACCACATTTTGACATGTCTCAACCAGCTTTTCAAACGATCGCCAA
ATATAAGGCCGGAATTGTTCCAATCCTTTACAGAAAAGTTGGGTGCAAAAAAAGT
GGAGGCATAAGATTTACAATCAATGGAAGAGACTATTTTGAAGTGGTGTCTATAA
GCAATGTAGGAGGAGCAGGTGATATTTCCAATGTTTGGATCAAAGGGTCTAAAAT
GAATACATGGGAATCCATGTCAAGGAATTGGGGTGTAAACNNNNNNNNNNNNNN
TTCAGAGTCCAAGTCAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA
CTAGTTGGAGATTTGGTTCAGTCTTTCATCAGCAAGGTTTCAGTTCTGAATGA

Nucleotide

>TprEXPA-01

TCACAATAATTCTTCCTATAATAAGAAAAGAATAAGTTTTCAATCAACATCACAT
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GGAATTGTTCCAATCCTTTACAGAAAGTATGCTTTTATGCTCACTGTTTTTTTCCTG
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GCT