

IDENTIFICATION

Species: *Cucumis sativus*

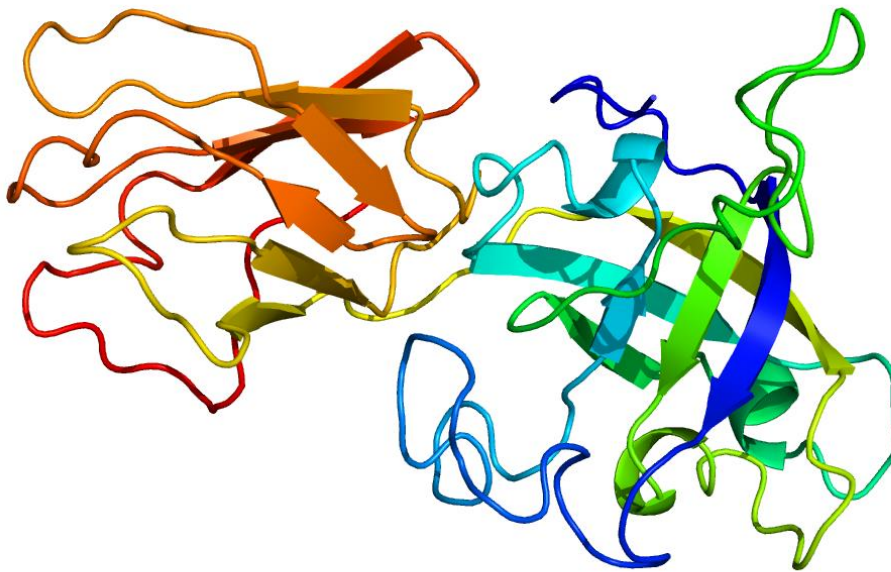
Locus: CsGy7G001980

Gene Model: CsGy7G001980.1

Description: CsEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

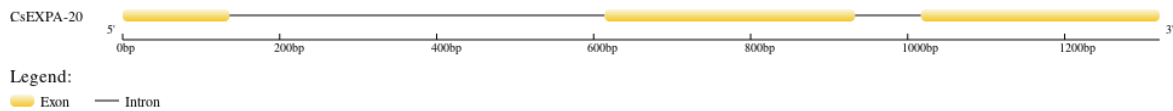
<http://cucurbitgenomics.org/>

KEGG: <https://www.genome.jp/entry/T02486>

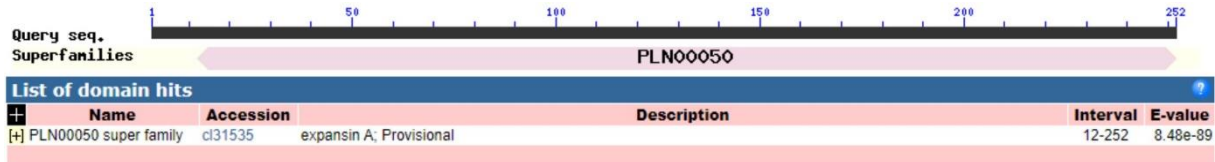
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CsEXPA-20

MAGFVAMIVYYLVLLQTFNIFAAKDEEWISATATYSKETDGSIVTEGACGYGDLHKI
SYGKYSAGLSSMLFNRGSTCGACYELRCVDHILWCLQGSPTVILTATDFCPPNYGLSS
DYGGWCNFPKEHFEMSEAAFAEIAEKKADIVPVQYRRVRCDRSGGMRFTVSGNYRF
FQVLITNVGMDGELVAVKVKGSRTGWIPLARNWGQNWQSNVNLHGQPLSFVETSSS
GRALTSYSVAPGNWQYGGQTFEGKQF

CDS (coding sequence)

>CsEXPA-20

ATGGCTGGTTTCGTAGCTATGATAGTCTACTATTTGGTCCTTCTTCAAACATTTAA
TATCTTTGCGGCTAAGGATGAAGAATGGATATCTGCTACTGCAACATACTCCAAA
GAAACAGATGGGTCAATTGTTACGGAAGGTGCTTGTGGTTACGGAGACCTACATA
AGATAAGTTATGGAAAATACAGCGCTGGACTGAGTAGCATGTTGTTTAATAGAGG
AAGTACCTGTGGAGCTTGCTATGAGCTTAGATGTGTTGATCACATCTTGTGGTGCT
TGCAAGGAAGCCCGACTGTCATTCTAACAGCCACCGACTTCTGTCCTCCTAATTA
CGGCTTGTCTTCCGATTATGGCGGGTGGTGTAATTTCCCAAGGAGCACTTTGAG
ATGTCAGAGGCAGCATTGCTGAAATAGCAGAGAAGAAAGCAGATATTGTGCCA
GTTCAATATAGGAGGGTGAGGTGTGACAGAAGTGGTGGAAATGAGATTCACAGTT
AGTGGGAATTATCGATTCTTTCAAGTTCTGATTACAAATGTTGGAATGGATGGTG
AATTAGTGGCAGTGAAAGTAAAAGGATCAAGAACAGGATGGATACCATTGGCAA
GGAAGTGGGGACAGAAGTGGCAAAGCAATGTCAATCTTCACGGACAACCTCTCTC
TTTTGAAGTTACCTCCAGCAGTGGAAGAGCACTTACTTCCTACAGCGTTGCACCT
GGAAACTGGCAGTATGGGCAGACATTTGAAGGGAAACAATTTTGA

Nucleotide

>CsEXPA-20

ATGGCTGGTTTCGTAGCTATGATAGTCTACTATTTGGTCCTTCTTCAAACATTTAA
TATCTTTGCGGCTAAGGATGAAGAATGGATATCTGCTACTGCAACATACTCCAAA
GAAACAGATGGGTCAATTGTTACGGGTACTGTTTTCTTTTGTTCGTGAAATTACA
TTCATGTTTAAACATGGTGCTTTTCTGGGTTTGAAGAAGCTTATTTTTGTAGTTGTT
ATTTGAGTATACAAGAGTTGCCGTAATACTCGCTGGCCGTGAGACTTTTGTTTAAG

GAATCTCTCCCCACCTTCAAAGTTGGAACTGGAAAATGGGTTCGGCTTAGGGCA
TGTTAAGGAGTGTCTGGAAATTGTTAAAAACGTTTATTTTCATGCTCAAATCACT
GTGAATATGCTTTTGATAATTCAAATTGTGAATAAAAGTGTAAAATTGAACGTTA
ATTGATTTTGAATGATTAAGGGTATTTTTTACTTTGTTCATTCTCAAATCACTTGA
AACTTTTACAACATCACTTTGAAACATGCACACAACATGTTTGTAACTGTAA
CTAGAAGGGAGGGAAATTAGTATTTGAAGTGCTTTTTTCTGTATCACTAATGTTGC
AGAAGGTGCTTGTGGTTACGGAGACCTACATAAGATAAGTTATGGAAAATACAG
CGCTGGACTGAGTAGCATGTTGTTAATAGAGGAAGTACCTGTGGAGCTTGCTAT
GAGCTTAGATGTGTTGATCACATCTTGTGGTGCTTGCAAGGAAGCCCGACTGTCA
TTCTAACAGCCACCGACTTCTGTCTCCTAATTACGGCTTGTCTTCCGATTATGGC
GGGTGGTGTAAATTTTCCCAAGGAGCACTTTGAGATGTCAGAGGCAGCATTGCTG
AAATAGCAGAGAAGAAAGCAGATATTGTGCCAGTTCAATATAGGAGGTAAAAAT
CAAATAAATGCATATAGATCCAAACAAATTGTCATCCTAAGCTAAGTGGACAAA
GCTTGTTTAATATTTGTGTAGGGTGAGGTGTGACAGAAGTGGTGGAAATGAGATTC
ACAGTTAGTGGGAATTATCGATTCTTTCAAGTTCTGATTACAAATGTTGGAATGG
ATGGTGAATTAGTGGCAGTGAAAGTAAAAGGATCAAGAACAGGATGGATACCAT
TGGCAAGGAAGTGGGGACAGAACTGGCAAAGCAATGTCAATCTTACGGACAAC
CTCTCTTTTTGAAGTTACCTCCAGCAGTGGAAGAGCACTTACTTCCTACAGCGTT
GCACCTGGAACTGGCAGTATGGGCAGACATTTGAAGGGAAACAATTTTGA