

IDENTIFICATION

Species: *Cucumis sativus*

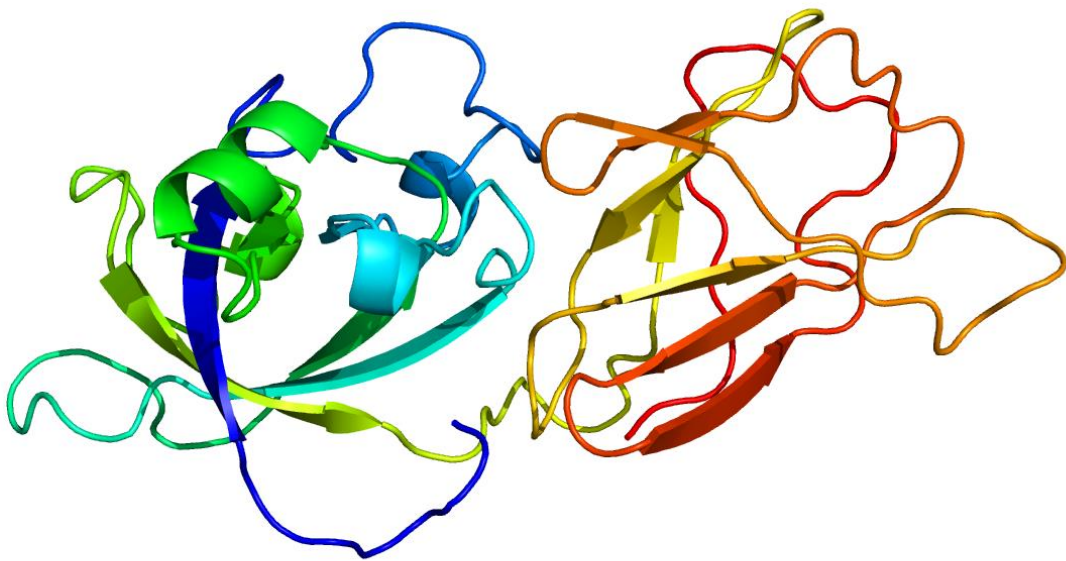
Locus: CsGy1G005460

Gene Model: CsGy1G005460.1

Description: CsEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

<http://cucurbitgenomics.org/>

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

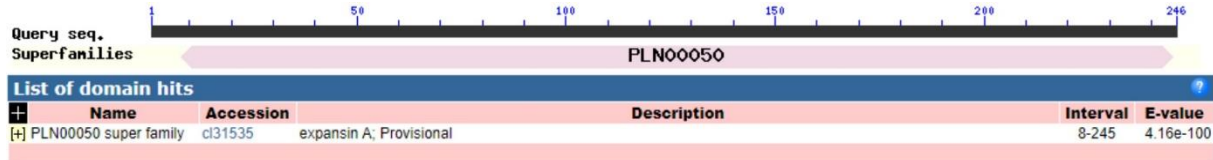
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CsEXPA-02

MGSVNVGILVIGIFCLLSLVHGRNNGGRRWITDAHATFYGGPDASGTSGGACGYGSGF
DYGTITTALSPALYDNGLSCGACFEVKCINNPQWCLPGSVVVTATNYCPPGGWCAPS
LHHFDLSQPAFQTIANFIGGVVPVAYRRVNCGRRGGIKFQISGNPYFNLVLISNVGGA
GDVRAVYIKGGKGRPNWSKAMTRNWGQNWQSDDYLVGKPLSFKVITGDGRSLVSS
NVAPHDWSFGQTYIGRQFS

CDS (coding sequence)

>CsEXPA-02

ATGGGATCAGTTAACGTTGGAATATTGGTGATAGGGATCTTTTGTGGTCTGCTTTT
GGTTCATGGAAGAAATGGAGGTGGACGATGGATAACTGACGCCCATGCTACTTTC
TATGGCGGCCCGACGCTTCTGGTACTTCAGGTGGAGCATGTGGATATGGAAGTG
GGTTTGATTATGGGACTATAACGACGGCATTGAGTCCAGCGTTGTACGACAATGG
GCTAAGCTGCGGTGCTTGTTCGAGGTTAAATGTATAAATAACCCACAATGGTGC
CTTCCCGGCTCCGTCTGTTGTCACCGCCACCAACTACTGTCCTCCCGGCGGTTGGTG
CGCCCCTTCCCTCCACCATTTTGATCTCTCCCAACCTGCCTTCCAAACCATTGCTA
ATTTCAATTGGTGGGGTTCGTTTCTGTTGCTTATCGCAGGGTTAACTGCGGAAGGAG
AGGAGGAATAAAGTTTCAAATAAGTGGGAATCCATATTTCAATTTGGTACTGATA
AGCAATGTGGGAGGTGCTGGAGATGTTTCGTGCTGTTTATATCAAAGGGGGTAAGG
GTAGGCCTAATTCTTGAAGGCAATGACTAGAAATTGGGGTCAAATTTGGCAA
GCGATGACTACCTTGTGGAAAACCCTTGTCTTTAAGGTCATTACTGGTGATGGT
CGCTCACTTGTGTCTTCCAATGTTGCCCTCACGATTGGTCATTTGGACAAACCTA
TATTGGCAGACAGTTCTCTTGA

Nucleotide

>CsEXPA-02

ATGGGATCAGTTAACGTTGGAATATTGGTGATAGGGATCTTTTGTGGTCTGCTTTT
GGTTCATGGAAGAAATGGAGGTGGACGATGGATAACTGACGCCCATGCTACTTTC
TATGGCGGCCCGACGCTTCTGGTACTTCAGGTATGTTTTGAAGACCGTCATCAA
AACATATATGCATGCATCTCCAACCTTTTCATTTATTTATTTGTTTATTTTGTGTTT
TATAGTCTTTGTAAACTTTGTTTTTTCTATTTTGTATTTTGTAGGTTTCTTCCAAGA

TCTTACAAAAAATGTAGAATAAACTTGGATTTATTATTACGTACACACAAAATAA
TAAGATTAATCAGTAACTAATGGATTATACGTCTAGTTTGAAATTTTGTGATTACT
AACTGAACGAACTAAGTGATTGTTGGAGATGTTTGTATATTGAATATTGTTATTGT
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GACGGCATTGAGTCCAGCGTTGTACGACAATGGGCTAAGCTGCGGTGCTTGTTTC
GAGGTAAATGTATAAATAACCCACAATGGTGCCTTCCCGGCTCCGTCGTTGTCA
CCGCCACCAACTACTGTCCTCCCGGCGGTTGGTGCGCCCTTCCCTCCACCATTTT
GATCTCTCCCAACCTGCCTTCCAAACCATTGCTAATTTTCATTGGTGGGGTTCGTTCC
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TAATAAAATGATTGATATATTGTATATAAATTGAATTTTACGTGCATGGTTATTAT
TATTGCAGGGTTAACTGCGGAAGGAGAGGAGGAATAAAGTTTCAAATAAGTGGG
AATCCATATTTCAATTTGGTACTGATAAGCAATGTGGGAGGTGCTGGAGATGTTTC
GTGCTGTTTATATCAAAGGGGGTAAGGGTAGGCCTAATTCCTTGGAAAGGCAATGAC
TAGAAATTGGGGTCAAAATTGGCAAAGCGATGACTACCTTGTTGGAAAACCCTTG
TCTTTTAAGGTCATTACTGGTGATGGTCGCTCACTTGTGTCTTCCAATGTTGCCCC
TCACGATTGGTCATTTGGACAAACCTATATTGGCAGACAGTTCTCTTGA