

IDENTIFICATION

Species: *Lactuca sativa*

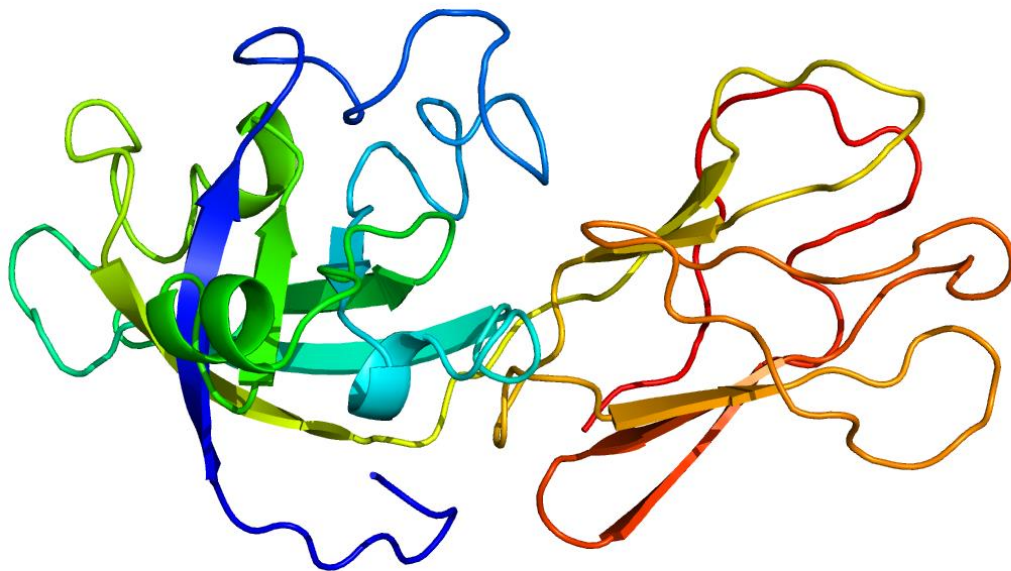
Locus: Lsat_1_v5_gn_4_11020

Gene Model: Lsat_1_v5_gn_4_11020.2

Description: LsEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Lsativa_V8

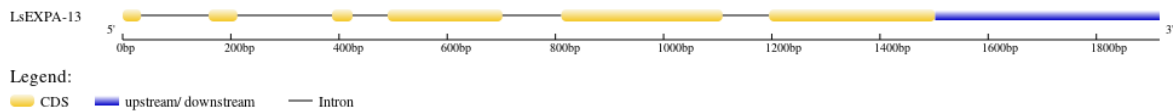
KEGG: <https://www.genome.jp/entry/T05352>

EXTERNAL RESOURCES

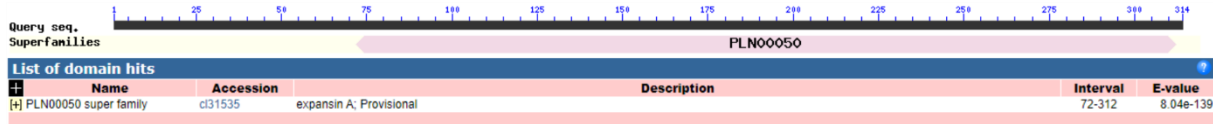
<https://lgr.genomecenter.ucdavis.edu/>

<https://www.lettucegdb.com/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPA-13

MISTSDKFSTQHKTQLAQFLFKQQTPIHAARDNILNIFQVGLPPIFFITTSPELLIFLTN
 NPHSSIRMNSMAILGFLVVGFLSIASSVNGDGGWVNAHATFYGGGDASGTMGGACG
 YGNLYSQGYGTNTAALSTALFNGLSCGSCFEIKCVNDHQWCLPGSIKVTATNFCPP
 NSDGGWCNPPNQHFDSLQPIFQHIAQYKAGIVPVAYRRIPCVRGGIRFQINGHSYFN
 LVLITNVGGAGDVHSVAIKGSKTGWQQMSRNWQNWQSNNYLNQSLSFKVTSD
 GKTVVSNNVVPAGWSFGQTFAGAQR*

CDS (coding sequence)

>LsEXPA-13

ATGATTAGTACATCAGACAAATTTAGTACGCAACACAAAACACAACCTCGCGCAAT
 TTCTCTTTAAACAACAACAACCTCCAATACATGCGGCCCGCGACAATATTTTGAA
 TATTTTCCAAGTGGGACTTCCACCAATTTTCTTCATAACCACCTCGCCATTTTACT
 CATCTTCTCACAAACAACCCACATTCTTCTATTAGAATGAATTCATGGCTATTT
 TGGGTTTTTTAGTTGTGGGTTTTCTCTCAATTGCGTCCTCCGTCAATGGCGACGGT
 GGTTGGGTCAATGCACATGCCACCTTCTACGGCGGTGGTGATGCCTCCGGCACAA
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 AGCAGCGTTAAGTACTGCTTTGTTCAACAATGGTTTGAGCTGTGGCTCGTGCTTTG
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 CAACACTTCGATCTCTCTCAGCCTATCTTCCAACATATTGCTCAATACAAAGCCGG
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 AATGTCAAGAACTGGGGGCAAATTTGGCAATCCAACAATTATCTCAACGGGCA
 GAGTCTGTCTTTAAGGTCACCACAAGTGATGGTAAAACCGTGGTGTCTAACAAT
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 A

Nucleotide

>LsEXPA-13

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