

## IDENTIFICATION

**Species:** *Oryza sativa Kitaake*

**Locus:** OsKitaake10g173200

**Gene Model:** OsKitaake10g173200.1.p

**Description:** OskEXPA-31

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

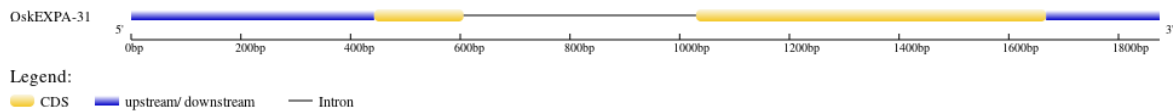
Phytozome: [https://phytozome-next.jgi.doe.gov/info/OsativaKitaake\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/OsativaKitaake_v3_1)

KEGG:-

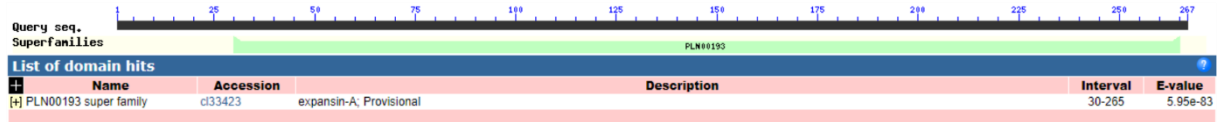
## EXTERNAL RESOURCES

[https://rice-genome-hub.southgreen.fr/bio\\_data/185326](https://rice-genome-hub.southgreen.fr/bio_data/185326)

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OskEXPA-31

MAAASSTTATTAILAAVIISLAGAATTVDKFRAMQWTPAHATFYGDETASETMGG  
ACGYGNLYASGYGTDTAALSTTLFKDGYGCGTCYQMRCVGTASCYRGSPAIVTAT  
NLCPPNWAEDPDRGGGGWCNPPRAHFDLSKPAFMRMADWRAGIVPVMYRRVPCAR  
AGGLRFALQGNPYWLLAYVMNVAGAGDVGDMWVKAGGGGGWVRMSHNWGASY  
QAFALGGQALSFKVTSYTTGQTLAAGVTPASWCFGLTYQARVNFS\*

### CDS (coding sequence)

>OskEXPA-31

ATGGCGGCGGCTTCATCGACGACGGCGACGACGGCCATCCTGGCGGCAGTGATC  
ATCTCTCTCGCCGGCGCTGCCACCACCGTGGACGCCAAGTTCAGGGCGATGCAGT  
GGACTCCCGCCCACGCCACGTTCTACGGCGACGAGACGGCGTCGGAGACGATGG  
GTGGGGCGGTGCGGGTACGGCAACCTGTACGCGAGCGGGTACGGGACGGACACGG  
CGGCGCTGAGCACGACGCTGTTCAAGGACGGCTACGGGTGCGGGACGTGCTACC  
AGATGCGGTGCGTGGGGACGGCGTCTGCTACAGGGGCTCGCCGGCGATCACCG  
TGACGGCGACCAACCTGTGCCCCGCCAACTGGGCGGAGGACCCCGACCGCGGCG  
GCGGCGGCTGGTGCAACCCGCCGCGGGCGCACTTTGACCTCTCCAAGCCGGCGTT  
CATGCGGATGGCCGACTGGCGCGCCGGCATCGTCCCCGTCATGTACCGCCGCGTG  
CCGTGCGCCCGCGCCGGCGGCGCTGCGGTTGCGCGTGCAGGGGAACCCGTAAGTGGC  
TGCTGGCCTACGTCATGAACGTCGCCGGCGCCGGCGACGTCGGGGACATGTGGGT  
GAAGGCCGGCGGCGGCGGGGTTGGGTGCGGATGAGCCACAACCTGGGGCGCGTC  
GTACCAGGCGTTCGCGCAGCTCGGCGGCCAGGCGCTCAGCTTCAAGGTCACCTCC  
TACACCACCGGCCAGACCATCCTGGCCGCCGGCGTACGCCGGCGAGCTGGTGCT  
TCGGGCTCACGTACCAGGCCCGCGTGAACCTTCTCCTAG

### Nucleotide

>OskEXPA-31

CTGGCATGTTTCATTGTATTGAAATGCTGAATTATAACCACATTCTCCACAATCTGAA  
TTGAACAAGGACACTACTAGTAACAAATTGGGATCACAAGACAAAGACACATTC  
TTACACCCAATCTGCCGTACCGGCAAAATGGATAGAAAAACAGAGTACAGCTCG  
GTTCCCTGCCCCGCACGTATGTAGCGTCCGGTACATGATTGTGATAAGCCCTCGTAC  
TAACAATCTCCACGATTTCGAGTGTGTGCAGGCACGTCGTCGGCGAAGTTGTGC

GCCGTGTTATTCTAATATTCTCCAATAATCATCACTCTGATTGATTGATTGGTCA  
ATCCGATGCTCACTATAAATTCCAGTGGTTGCATGCTTTTTCTTCATCAGAGCTCG  
GCAATTCAGCCTAGTGTGGTGGTGCAGAAGACCACGAGCAGGACAAGATCGGTG  
CAATGGCGGGCGGCTTCATCGACGACGGCGACGACGGCCATCCTGGCGGCAGTGA  
TCATCTCTCTCGCCGGCGCTGCCACCACCGTGGACGCCAAGTTCAGGGCGATGCA  
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GGGTACGTACTCGTCGGATTATTTGCCCCACGCCTTAAAATACATTTTTTTGTAA  
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TTCAACTAGATAAATCTATCATAAAAAATATATTCAATTATAAATTCAATGTAA  
CTAATTTGATGTTGCAGATGTTATAAATTTACAATAGTTTAACTTTGACCAAATC  
AAAACGATTTGTAATACAGAATGAATGTAATATTTGTAAATTTTCATAGGGATG  
AGTCCATGCGTGTCTAGAAACAATAATTTATATAAATAATCATGTAATAAGTAC  
ATTAGTGAATAATCTGTACCAAATTGGGTTGTGGCAGGTGGGGCGTGCGGGTAC  
GGCAACCTGTACGCGAGCGGGTACGGGACGGACACGGCGGGCGCTGAGCACGACG  
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CTGTGCTGTATCGTAGTTACTCCCGTTGCCCCATCCACAACATCAACATGGTCA  
TGTGGAACAGCGGGGTTTGACGACAACATTGATGATGTAATCCAATATTGCCATA  
TTGGAA