

## IDENTIFICATION

**Species:** *Oryza sativa* Kitaake

**Locus:** OsKitaake12g169200

**Gene Model:** OsKitaake12g169200.1.p

**Description:** OskEXPA-32

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

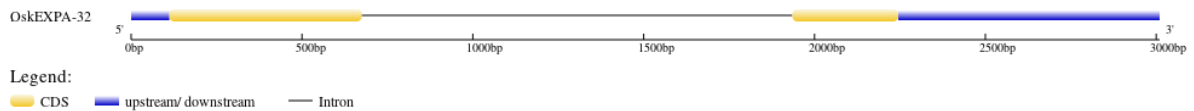
Phytozome: [https://phytozome-next.jgi.doe.gov/info/OsativaKitaake\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/OsativaKitaake_v3_1)

KEGG:-

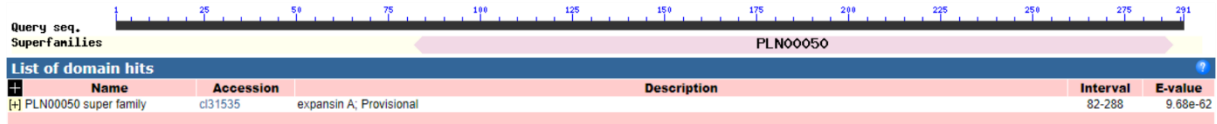
## EXTERNAL RESOURCES

[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-32

MDTTTTMAPLPLLTTSLLLFFFLASSFAADV VVAGGGGGGGYDGGGDGEGGGGG  
DGEGGGGGGAKMPHVNHG RYKCPWVDGHATFYGGRDASGTTEGGACGYKDA  
DYGAMTAAVSPALFDNGAGCGACYELKGD SGKTVVVTATNQAPPPVNGMKGEHF  
DLTMPAFLSIAEEKLG VVPVSYRKVACVRQGGIKYTITGNPSYNMVMVKNVGGAGD  
VVKLTVKGTKRVKWTPLQRSWGQLWKTEANLTGESL TFRVMTGDHRKATSWRVA  
PRDWTYDNTYQAKKNF\*

### CDS (coding sequence)

>OskEXPA-32

ATGGACACAACGACGACCATGGCGCCTCTCCCTCTCCTCACCACGACGTCTCTGC  
TGCTCTTCTTCTTCCTCGCGTCGTCGTTCCGCCCGACGTCGTCGTCGCGGGCGGC  
GGCGGCGGCGGCGGCGGCTACGACGGCGGCGGCGACGGCGAAGGCGGCGGCGG  
CGGCGACGGCGAAGGCGGCGGCGGCGGCGGCGGAGCCAAGATGCCGCACGTGA  
ACCACGGCAGGTACAAGTGCGGGCCGTGGGTGGACGGGCACGCGACGTTCTACG  
GCGGGCGCGACGCGTCGGGCACGACGGAGGGCGGCGCGTGCGGGTACAAGGAC  
GCCGACGGGTACGGCGCGATGACGGCGGCGGTGAGCCCCGCCCTGTTTCGACAAC  
GGCGCCGGGTGCGGCGCGTGCTACGAGCTCAAGGGGGATTCCGGGAAGACCGTC  
GTGGTGACGGCCACCAACCAGGCGCCCGCCAGTGAACGGGATGAAGGGCGAG  
CACTTCGACCTCACCATGCCGGCGTTCCTCTCCATCGCCGAGGAGAAGCTCGGCG  
TCGTGCCCGTCTCTACCGAAAGGTGGCGTGCGTGAGGCAGGGCGGGATAAAGT  
ACACGATAACGGGGAACCCGTCGTACAACATGGTGATGGTGAAGAACGTGGGCG  
GCGCGGGGGACGTGGTGAAGCTGACGGTGAAGGGGACCAAGCGGGTGAAGTGG  
ACGCCGCTGCAGCGCAGCTGGGGCCAGCTCTGGAAGACGGAGGCCAACCTCACC  
GGCGAGTCGCTCACCTTCCGGGTCATGACCGGCGACCACCGCAAGGCCACCTCCT  
GGCGCGTCGCCCCCGGCGACTGGACCTACGACAACACCTACCAGGCCAAGAAGA  
ACTTCTAG

### Nucleotide

>OskEXPA-32

CAAAGCCCACCACTTGCCGGTCCGCCATGAATCTATCAAAGCAAGATTTAGCTGC  
TTCATAAACTTAATAATACCCAATTACCCATCCATTCGATCATCTCCGGTTAATTT



CTGTCGGTTCACCACAGGAATTTTTCTGTAACGGTAAAATTTATTTTTCTAATGGT  
CCAGCCAAACATGCTAGCTCGAGCATGTGGTCTATGTCTCCTACTCTCTAGAATTA  
ATATATGCTACTGTATTATGTTGGGCGTCCGACAACCTATAAACTCCCTATCTTAT  
TAAATATGTCTATAGATTATTGTAGTAATAATGGGCTTAAATTTGTAATGATGTTA  
ATCATAACATCTCTTTAGACGGGTGTGTAGCTGATAGTCACATTAGTATATCTCAC  
ACATACATATATTTGCTCA