

## Product datasheet for **MR230206**

### **Tysnd1 (NM\_001272091) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tysnd1 (NM_001272091) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tysnd1
Synonyms:	1300019N10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>MR230206 representing NM\_001272091  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCGCAATGGGGACCCTCTATGAGAGTGGCGGAGCAGCGGGCTGCGTGGTGGAGCGCTCGCGGG  
 CCGGACAGCCTGACGCGGGCTCGTGGAGCTGCAGCGGGGTGATTCTGAGCCGTAACCCAGGCCTAGTGCT  
 GTGCCACGGAGGCATCTTTACCCCTTCTGCGGACGGGACGCGGGCGTGACCCAGACGGGCACCGCC  
 TTCCTGCCGGGACAGTTGCAGCGATGACCTACGTCTCCACGTGCAGTGGGGACCCACGGCTGCCAGCC  
 CTGCCGGTGCAGCGGATCAGGAATCCCGGGGCTGTGCACGCCTCAGTGCACAAGCTGGGCTCGAACC  
 CGGCGCCCGAGCCGGGCCGCGCGCGGCTCTGCAGCCCCGCGACCAGCGCAGCTGCTGTTGCTGCTC  
 AGCTGCCCGCCCTCCGCTCGCATTTTCGCTCGGCTCTTCGGGGCCGATGCGGTGATCAATGGCACTTCG  
 TAAGCTCGGCGCCGACGATGCGGTTTCGGAGGAGGAAGAGGAGGACCAGCTGCGCGCGCTCGGCTGGTT  
 CGCCCTGCTGCGGGTGCAGCGGGCGCGCGGGCGGAGGAGGCGCGGACCGGTGGTACCGTGGCACCCG  
 CTGCGGGCCGTGGTCAAGGGCGCACCGCTGTTGGCTTGTGGCTCTCCGTTGCGGTGCCTTCTGCCCGACA  
 TCTTCTCAACACGCTGAGCCGCGGGCTGCTCAGCAACGCGGCCGGGCCGCTGCTGCTCACCGACGCGCG  
 CTGCTGCCGGGCACGAAGGCGCGGAGTGTTCGCCGCTCGACCTGCGGGTGGCGTGGTGGCTCTGGTG  
 GCCGCGCCGCTCTGCTGGAAGGCCCGGAGTGGTGGGCTCACGCTGCTGTGCGCCGCCCGCCCGCTGC  
 TTCAGGTTGCCCGCTGGGCGCTCGCCGCTGCACCCCGGCTCCGCTTCCCTGTCTGTGCTGCTGCCGCC  
 ACCCGATGTGAGCACGCCACGGGGCTGCCTCTGCGCGATCTCGGACCCCGTGGGCGCCCGCGGGTGC  
 CTGGTGGAGTGGTACCGTGTGGGCTCCGAGTGGTGTGGCGCTCGCTGGTGGTACCTGTGCGCC  
 ATGTGGCACCCCGGAAGCAGCAGGGTGTGGTACACTCCGCTACACCAAGCGAGCCTGTCAGCGTGG  
 TGGGCTTTGGTGTCTTTGGCCAGGCTGCGGGCCCTCGGTGACCTCAGGCATCCTGTGCGCCGTTGGTGC  
 TGTGGATGGCAGCCCGTGTGCTACAGACCAGTGCCTGTGATGGCGCTCCAGCGGAGGACCTCTC  
 TTCTCTCGGGCTCCGGGACCTCCTGGGCAATTGTGCCAGCAACTCGAGACAACAACCGGGAGCCA  
 CCTACCCACACCTGAAGTTCAGCATCCCATCACGGTGTCCAGCCAGCCCTGAAGCAGTACAGTACAGAC  
 TGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230206 representing NM\_001272091  
 Red=Cloning site Green=Tags(s)

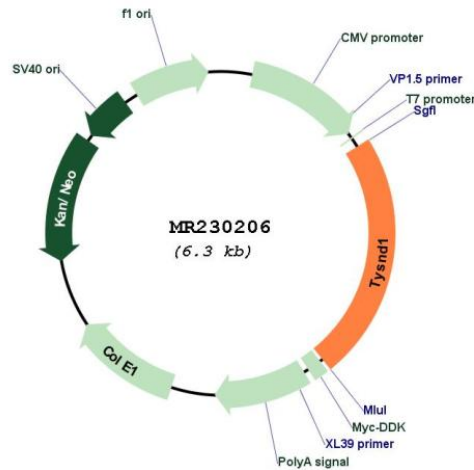
MGRQWGPSMRVAEQAGCVVSASRAGQPDAGSWSCSGVILSRNPGLVLCHGGIFTPLRTGSAALTQTGTA  
 FLPGDSCSDDLRLHVQWGPTAASPAGRADQELPGLCTPQCASLGLPEGAPSRARARPLQPPRPAQLLLLL  
 SCPAFRSHFARLFGADAVDQWHFVSSAPDDAVSEEEEEQLRALGWFALLRVQRGAAAEEERRGPVTVAP  
 LGAVVKGAPLLACGSPFGAFCPDIFLNTLSRGVLSNAAGPLLLTDARCLPGTEGGGVFAARPAGALVALV  
 AAPLCWKAREWVGLTLLCAAAPLLQVARWALARLHPGSASLSVLLPPPDVSTPRGLPLRDLGPPWAAA  
 AVLVECGTVWGSVVPAPRLVVTCTRHVAPREARVLVHSATPKRACQRGGLWCLWGLRALGDLRHPVGRGA  
 CGWQPGDATDHVRCARWLQRRSLLLLGLRPPGHCRQQHSRQQHGSHPTEPELQHPHHGAPASPEAVQSD  
 W

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_001272091

**ORF Size:** 1473 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001272091.1](#), [NP\\_001259020.1](#)

**RefSeq Size:** 2155 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 71767

**UniProt ID:** [Q9DBA6](#)

**Cytogenetics:** 10 B4

**MW:** 52.1 kDa

**Gene Summary:** This gene encodes a protease that removes the N-terminal peroxisomal targeting signal (PTS2) from proteins produced in the cytosol, thereby facilitating their import into the peroxisome. The encoded protein is also capable of removing the C-terminal peroxisomal targeting signal (PTS1) from proteins in the peroxisomal matrix. The full-length protein undergoes self-cleavage to produce shorter, potentially inactive, peptides. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Jan 2013]