

Product datasheet for **MC228085**

Tysnd1 (NM_001272092) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tysnd1 (NM_001272092) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tysnd1
Synonyms:	1300019N10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228085 representing NM_001272092
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGCGCAATGGGGACCCTCTATGAGAGTGGCGGAGCAGCGGGCTGCGTGGTGGAGCGCTCGCGGG
 CCGGACAGCCTGACGCGGGCTCGTGGAGCTGCAGCGGGGTGATTCTGAGCCGTAACCCAGGCCTAGTGCT
 GTGCCACGGAGGCATCTTTACCCCTTCTGCGGACGGGACGCGGGCGCTGACCCAGACGGGCACCGCC
 TTCCTGCCGGGACAGTTGCAGCGATGACCTACGTCTCCACGTGCAGTGGGACCCACGGCTGCCAGCC
 CTGCCGGTGCAGCGGATCAGGAACCTCCGGGGCTGTGCACGCCTCAGTGCGAAGCCTGGGCCTCGAACC
 CGGCGCCCGAGCCGGGCCGCGCGCGGCTCTGCAGCCCCGCGACCAGCGCAGCTGCTGTTGCTGCTC
 AGCTGCCCGCCCTCCGCTCGCATTTTCGCTCGGCTCTTCGGGGCCGATGCGGTGATCAATGGCACTTCG
 TAAGCTCGGCGCCGACGATGCGGTTTCGGAGGAGGAAGAGGAGGACCAGCTGCGCGCCTCGGCTGGTT
 CGCCCTGCTGCGGGTGCAGCGGGCGCGCGGGAGGAGGAGGCGGACCGGTGGTACCGTGGCACCCG
 CTGCGGGCCGTGGTCAAGGGCGCACCGCTGTTGGCTTGTGGCTCTCCGTTCCGGTGCCTTCTGCCCGACA
 TCTTCTCAACACGCTGAGCCGCGGGCTGCTCAGCAACGCGGCCGGGCCGCTGCTGCTCACCGACGCGCG
 CTGCTGCCGGGCACGGAAGGCGCGGAGTGTTCGCCGCTCGACCTGCGGGTGGCTGGTGGCTCTGGTG
 GCCGCGCCGCTCTGCTGGAAGGCCCGGAGTGGTGGGCTCACGCTGCTGTGCGCCGCCCGCCCGCTGC
 TTCAGGTTGCCCGCTGGGCGCTCGCCGCTGCACCCCGGCTCCGCTTCCCTGTCTGTGCTGCTGCCGCC
 ACCCGATGTGAGCACGCCACGGGGCTGCCTCTGCGCATCTCGACCCCGTGGCGGCCCGCGGGTGC
 CTGGTGGAGTGTGGTACCGTGTGGGGCTCCGGAGTGGTGGTGGCGCTCGCTGGTGGTGGTGGTGGT
 ATGTGGCACCCCGGAAGCAGCCAGGGTGTGGTACACTCCGCTACACCCAAGAATGTGGCAATCTGGGG
 ACAAGTGGTGTGGTGGCACTCAGGAGACCTCCATATGACATAGCAGTGGTGGCCTGGAAGAGGAGCTG
 AATGGTGTCCACGCTGTCCCTGCTGGGCACTTCCATGAAGGATTGTGCGCCAGCAACTCGAGACA
 ACAACACGGGAGCCACTACCCACACTGAACTTCAGCATCCCCATCACGGTGTCCAGCCAGCCCTGAA
 GCAGTACAGTCACTGGTGGCTGGTGGCTCCGAGAGCTGGACCACACCACTGAGCCGGTCAAGGGTC
 GTGTGGCGGCTGCAGCGGCCCTGTCCGAAGTCCACGGAGCAAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001272092

Insert Size: 1521 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001272092.1](#), [NP_001259021.1](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1521 bp

Locus ID: 71767

UniProt ID: [Q9DBA6](#)

Cytogenetics: 10 B4

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]
Transcript Variant: This variant (4) lacks an alternate exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (d) is shorter than isoform a.