

Product datasheet for **SC324190**

TYSND1 (NM_001040273) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TYSND1 (NM_001040273) Human Untagged Clone
Tag:	Tag Free
Symbol:	TYSND1
Synonyms:	NET41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001040273.1
 CCGGGTAGGGGTCTCGCTCGCTAGCTTGTGTTTCTCGGAGAAGCTCCCGAGTGTCCGG
 CCTAGAGGCCATGAGAAGGCAGTGGGGTCTGCCATGAGGGCGGCCGAGCAGGCGGGCTG
 CATGGTGAAGCCCTCCCGGGCCGACAGCCGAGGCGGGCCCGTGGAGCTGCAGCGGGGT
 AATCCTGAGCCGTAGCCCGGGCTGGTGTCTTCCACGGGGGCATCTTCGTCCCCCTTCT
 GCGAGCTGGCAGCGAAGTCTGACCGCGCCGGCCGCTTCTCCTGCCTGGCAGAGTTG
 CAGGGACGACCTGCGCCTGCAGCTGCAGTGGGCCCAACGGCCGGGTCCCGGGGGCGG
 CGCGGAGCGGGGCGCCAGGGCTGTGCACGCCCAAGTGCAGCCAGCCTCGAGCCCGGCC
 ACCTGCCCGTCCCGCGGGCTCCCTGCAGCCCGGCTTCTGTGAGCTGCTGTGCT
 GCTGAGCTGCCCGGCTTCTGGGCCACTTCGCGCGCTTTCGGGGACGAGGCAGCGGA
 ACAGTGGCGCTTCTCGAGCGCGGCGGGATGACGAAGTGTGGAGGACGAGGAGCGGA
 TCAACTGAGAGCGCTGGGCTGGTTTGGCTGCTGGGCGTGCAGCTAGGCCAGGAGAGGT
 GGAGGAGGAGCGGGCTAGCCATGGCGGTGTGCCTCTCGGGCCGTGCCAAGGGCGC
 GCCATTGTGGTCTGCGGCTCCCTTTCGGCGCTTCTGCCCGACATCTTCTCAACAC
 GCTGAGCTGCGGGGTGCTCAGCAACGTGGCCGGCCACTGCTGCTTACCGACGCAGCTG
 CCTGCCCGGCACCGAGGGCGGCGCGTGTACCGCGCGCCCGGGGGCGCTGGTGGC
 GCTGGTGGTGGCCCGCTCTGTTGGAAGCCGGCGAATGGGTGGGCTTACGCTGCTCTG
 CGCCGCGCCCCCTTTTCCGCGCCGCCGACGCGCTTACCGCTGCCGCACAGCAC
 CGCTGCCCTGGCCGCCCTTCTGCCGCCAGAGTGGGCGTCCCCTGGGGTCTGCCCTCCG
 AGACTCCGGGCCCTGTGGGCAGCCGGCAGTGTGGTGGAGTGCAGCACCGTATGGGG
 CTCCGGAGTGGCTGTGGCACCCCGCTTGTAGTGACCTGTCCGACGTGTCCCCTCGGA
 AGCAGCCAGGGTCTGGTGGCTCCACCACCCCAAGCATAATCACCAGCAACACCCGGG
 ACAATAATACGGGGCCACTACCCACCTGAAGTTCAGCATTCCCATCAGGTGCTCC
 AGCGGGCCTGCAGCAGTACAGCCAGACCAAGACCTAGGTGGCTCCGTGAGCTGGACC
 GCGCTGCTGAGCCAGTCAAGGTGGTGTGGCGTTGCAGCGCCCTGGCAGAGGCCCGC
 GGAGCAAGCTCTGAGGCTGTGTTACCACCTTTGGAAAGAAGAGTACCTTTTTCTGCTGT
 AGGAAGTGTGAGGTGACGGTGGCCTCAGGATTCAGGGCCAGCCCTGCAGGGGCC
 CAGGCTGCCTCTCATCTCCACCCACTGACTGCAGACTGGGCTTTGGGCTCTGGGGCAAAC
 TTCTCTCAGCCCATGGATCCTAACCTGGCAGCCGTTTTGGGGTCTTTCTGAGCC
 CCCAGTTCTGTCCCCTAGCACTAGACTCAGCTGTATTGTTTTCTTCTGGGGAGCCC
 ACTCCAAGTGCACAGAAGTTCTGGGCTGACAGGTAGATTCCAGCTGGAAGGCAGGCCCC
 TGCTGTGTTTTGCGTCTGTTCCCTGAGGGCCATCGTATCCTGGAGCTCAATGGGGCC
 TTGGCTCCTGTGCTCCTCAGTCAAGTCAAGGCTGACAAAGGACTCAGCTTCCTTAGC
 ATCTCAGCAGAAACCTTGTCTGAAGACCAGAGACAGAAGGGACAGAAACAGGAGTGCCT
 CCTGCTGTGCCAGGCCATGGGCAGTGCAGGCAGATCCCTGAAGTGCAGCACTCTGGGT
 CTTCATATGCCAACAGGGGCGCTTTGACACTGTGCCTTCATTTTCCAGCCACAGCCTG
 GGTCTCAGGGATCTTGAAGGGTAGAACATGTCTGGTTGGGGCTTGGGAATAAACATGATC
 TATTGAAAAACAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_001040273

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_001040273.1</u> , <u>NP_001035363.1</u>
RefSeq Size:	3485 bp
RefSeq ORF:	1197 bp
Locus ID:	219743
UniProt ID:	<u>Q2T9J0</u>
Cytogenetics:	10q22.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two alternate exons in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>