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Product datasheet for SC323947

TYSND1 (NM_173555) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TYSND1 (NM_173555) 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: >NCBI ORF sequence for NM_173555, the custom clone sequence may differ by one or more nucleotides

ATGAGAAGGCAGTGGGGGTCTGCCATGAGGGCGGCCGAGCAGGCGGGCTGCATGGTGAGCGCCTCCCGGG
CCGGACAGCCCGAGGCGGGCCCGTGGAGCTGCAGCGGGGTAATCCTGAGCCGTAGCCCGGGCCTGGTGCT
TTGCCACGGGGGCATCTTCGTCCCCTTCCTGCGAGCTGGCAGCGAAGTCCTGACCGCGGCCGGCGCCGTC
TTCCTGCCTGGCGACAGTTGCAGGGACGACCTGCGCCTGCACGTGCAGTGGGCCCCAACGGCCGCGGGTC
CCGGGGGCGGCGCGGAGCGGGGCCGCCCAGGGCTGTGCACGCCCCAGTGCGCGAGCCTCGAGCCCGGCCC
ACCTGCCCCGTCCCGCGGGCGTCCCCTGCAGCCCCGGCTTCCTGCTGAGCTGCTGCTGCTGCTGAGCTGC
CCGGCCTTCTGGGCCCACTTCGCGCGCCTCTTCGGGGACGAGGCAGCGGAACAGTGGCGCTTCTCGAGCG
CGGCGCGGGATGACGAAGTGTCGGAGGACGAGGAGGCGGATCAACTGAGAGCGCTGGGCTGGTTTGCGCT
GCTGGGCGTGCGGCTAGGCCAGGAGGAGGTGGAGGAGGAGCGCGGGCCAGCCATGGCGGTGTCGCCTCTC
GGGGCCGTGCCCAAGGGTGCGCCATTGCTGGTCTGCGGCTCCCCTTTCGGCGCCTTCTGCCCCGACATCT
TTCTCAACACGCTGAGCTGCGGGGTGCTCAGCAACGTGGCCGGCCCACTGCTGCTTACCGACGCACGCTG
CCTGCCCGGCACCGAGGGCGGCGGCGTGTTCACCGCGCGGCCCGCGGGGGCGCTGGTGGCGCTGGTGGTG
GCGCCGCTCTGTTGGAAGGCCGGCGAATGGGTGGGCTTCACGCTGCTCTGCGCCGCCGCCCCCCTTTTCC
GCGCCGCCCGCGACGCGCTTCACCGCCTGCCGCACAGCACCGCTGCCCTGGCCGCCCTTCTGCCGCCAGA
GGTGGGCGTCCCGTGGGGTCTGCCCCTCCGAGACTCCGGGCCCCTGTGGGCAGCCGCGGCAGTGTTGGTG
GAGTGCGGCACCGTATGGGGCTCCGGAGTGGCTGTGGCACCCCGCCTTGTAGTGACCTGTCGGCACGTGT
CCCCTCGGGAAGCAGCCAGGGTCCTGGTGCGCTCCACCACCCCCAAGAGTGTGGCCATCTGGGGCCGTGT
GGTATTTGCCACTCAGGAGACATGTCCCTATGACATAGCAGTGGTGAGCCTGGAGGAGGACCTGGATGAT
GTCCCCATCCCTGTGCCCGCTGAGCACTTCCATGAAGGCGAGGCTGTGAGTGTGGTGGGCTTTGGCGTCT
TTGGCCAGTCTTGCGGGCCCTCGGTGACCTCAGGCATCCTTTCGGCTGTGGTGCAGGTGAATGGCACGCC
CGTAATGCTGCAGACCACGTGTGCTGTGCACAGCGGCTCCAGTGGGGGACCCCTCTTCTCCAACCACTCA
GGAAACCTCCTTGGCATAATCACCAGCAACACCCGGGACAATAATACGGGGGCCACCTACCCCCACCTGA
ACTTCAGCATTCCCATCACGGTGCTCCAGCCGGCCCTGCAGCAGTACAGCCAGACCCAAGACCTAGGTGG
CCTCCGTGAGCTGGACCGCGCTGCTGAGCCAGTCAGGGTGGTGTGGCGGTTGCAGCGGCCCCTGGCAGAG
GCCCCGCGGAGCAAGCTCTGA

Restriction Sites: ECoRI-NOT

ACCN: NM_173555

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:	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_173555.2, NP_775826.2
RefSeq Size:	3802 bp
RefSeq ORF:	1701 bp
Locus ID:	219743
UniProt ID:	Q2T9J0
Cytogenetics:	10q22.1
Protein Families:	Druggable Genome
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 (1) represents the longest transcript and encodes the longer 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.