

Product datasheet for **RR215198**

Tysnd1 (NM_001108932) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tysnd1 (NM_001108932) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tysnd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215198 representing NM_001108932
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGACGGCAATGGGGACCGTCTTTGAGAGTGGCAGAGCAGCGGGTTGCGTAGTGAGCGCCTCGCGAG
 CAGGACAGCCCGATGCGGGCTCGTGGAGCTGCAGCGGGGTGATCCTGAGCCGAGCCAGGCCTGGTGCT
 GTGCCACGGGGCATTTCACCCCTTCTCAGAACTGGTAGCGCGCTTTGACCCAAACGGGAGCCGCC
 TTCTACCGGGGACAGTTGCAGCGATGACCTGCGCCTCCACGTGACGTGGGACCCACGGCTGCCAGCC
 CCGCCGGCGCGCGGACCAGGAACCTCCAGGGCTGTGCACGCCTCAGTGCGAAGCTGGGCCTCGAACC
 CGGTGCCCGAGCCGGGCCCGCGCGCGGCTCTGCAGCCTCCGCGGCCGGCGCAGCTGCTGTTGCTGCTC
 AGCTGCCCGGCCCTCCGCTCGCACTTCGCGCGGCTCTTCGGGGCCGAAGCGGCGGATCAATGGCACTTCG
 TGAGCTCGGCGCCGACGACGCGGTGTGAGAGGAGGAGGAGGATCAGCTGCGCGCCTCGGCTGGTT
 CGCCCTCTGCGGGTGCAGCGGGCGCGCGGCCGAGGAGAGGCGGGCCGGCGGTGACCGTGGCACCCG
 CTGCGGGCCGTGGCCAAGGGCGCACCGCTGCTGGCTTGTGGCTCTCCGTTGCGGTGCTTCTGCCCGACA
 TCTTCTCAACACGCTGAGCCGGGGCGTGTCTAGCAACGCGGCCGGTCCGCTGTTGCTCACCGACGCGCG
 CTGCTGCCGGGCACAGAAGCGCGCGGAGTGTTCGCGGCCGACCTGCGGGCGCGCTGGTGGCTCTGGTG
 GCCGCGCTCTATGCTGGAAGGCCCGCGAGTGGTGGGCTCACGTTGCTGTGCGCCGCTGCCCTCTGCT
 TTCAGTTGCTCGCTCGGCTCTCTCGCTGCATCCGGACTCCACCTCTCTGTCCGCGCTGCTGCCACC
 CGAAGTGGGCGGCCAAGGGGCTGTCCCTACGAGATCTCGGATCCTCGTGGGACGCCGCGCGGTGCTG
 GTGGAGTGTGGTCCGTGTGGGCTCCGAGTGGCTGTGGCGCCTCGCCTGGTGGTACCTGCCGTCATG
 TGGCACCCCGGAAACAGCCAGGGTCTTGGTACACTCAGCTACACCCAGGAATGTGGCAATCTGGGGAG
 AGTGGTATTTGCCACTCAGGAGACCTCTCCATATGACATAGCGGTGGTGGCCTGGAAGAGGAAGTGAAT
 GGTGTCCCGTGCTGTCCAGCTGAGCACTTCCATGAAGGCGAGCCTGTGAGCGTGGTGGGCTTTGGCG
 TGTTTGGCCAGGCTGCGGGCCCTCAGTGACCTCAGGCATCCTGTGCGCCGTTGGTGCATGTGGATGATGC
 CCCAGTGTGCTACAGACCACCTGTGCCGTGCATGGCGGCTCTAGCGGAGGACCTCTCTTCTACACGC
 TCGGGGACCTCTTGGGCATTGTTGCTAGCAACTCGGGACAACAACACGGGGGCCACCTACCCACACC
 TGAAGTTCAGCATCCCCATACCGTGTCCAGCCGGCCCTGAAGCAGTACAGTACAGTGGTGGTGGTGTG
 TGGCCTCAGAGAGCTGGACCACCACTGAGCCTGTGAGGTCGTGGCGGCTGCAGCGCCCTGCCG
 GAAGCCCCCGGAGCAAGCTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215198 representing NM_001108932
 Red=Cloning site Green=Tags(s)

MGRQWGPSLRVAEQAGCVVSASRAGQPDAGSWSCSGVILSRSPGLVLCCHGGIFTPFLRTGSAALTQTGAA
 FLPGDSCSDDLRLHVQWGPTAASPAGRADQELPGLCTPQCASLGLPEGAPSRARARPLQPPRPAQLLLLL
 SCPAFRSHFARLFGAEAADQWHFVSSAPDDAVSEEEEEEDQLRALGWFALLRVQRGAAAEERRGPAVTVAP
 LGAVAKGAPLLACGSPFGAFCPDIFLNTLSRGVLSNAAGPLLLTDARCLPGTEGGVFAARPAGALVALV
 AAPLCWKAREWVGLTLLCAAAPLLQVARSALSRHPDSTLSALLPPEVGAPRGLSLRDLGSSWAAAVL
 VECGAVWGSVAVAPRLVVTCTRHVAPRETARVLVHSATPRNVAIWGRVVFATQETSPYDIAVVSLEEELN
 GVPVVPVPAEHFHEGEPVSVVGFVGFQACGPSVTSGILSAVVHVDAPVMLQTTCAVHGGSSGGPLFSTR
 SGDLLGIVASNTRDNTGATYPHLNFSIPITVLQPALQYSQTGDLGGLRELDHTTEPVRVWRLQRPLP
 EAPRSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1701 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:	<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:	NM_001108932.1 , NP_001102402.1
RefSeq Size:	2313 bp
RefSeq ORF:	1704 bp
Locus ID:	365571
Cytogenetics:	20q11
MW:	59 kDa