

## Product datasheet for MC226267

### Taz (NM\_001242616) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Taz (NM_001242616) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Taz
Synonyms:	5031411C02Rik; 9130012G04Rik; AW107266; AW552613; G4.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226267 representing NM_001242616 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCTCCATGTGAAGTGGCCATTCCCGCGGTGCCCGGCTCACCTGGACTCTAGCCAGCAGCGTCG  
 TCATGGGCCTAGTTGGCACCTACAGCTGCTTCTGGACCAAGTACATGAACCACCTCACCGTGCACAACAA  
 GGAAGTGTGTATGAGCTCATTGAGAACCAGGGCCCTGCCACCCCTTATCACCGTCTCAACCACCAG  
 TCTTGCATGGATGACCCTCATCTCTGGGGATCCTAAACTCCGCCACATCTGGAACCTGAAGTTGATGC  
 GTTGGACCCAGCAGCTGCAGACATCTGCTTACCAAGGAGCTGCACTCCATTTCTTCAGCTTGGGCAA  
 ATGTGTGCCTGTGTGTCGAGGAGATGGTGTCTACCAGAAAGGGATGGACTTCATTTTGGAGAAGCTTAAC  
 CATGGGGACTGGGTGCACATCTTCCAGAGGAAAGTAAACATGAGTTCTGAGTTCTCGCCTTCAAAT  
 GGGGAATTGGACGGCTGATTGCTGAGTGTATCTGAATCCCATCATCTGCCACTGTGGCATGTTGAAAA  
 TCACCGTGCTGATTGGGAAGCCCTTCAGTACACTCCCTGTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001242616
Insert Size:	606 bp


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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001242616.2</a> , <a href="#">NP_001229545.1</a>
<b>RefSeq Size:</b>	1777 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	66826
<b>UniProt ID:</b>	<a href="#">Q810E8</a>
<b>Cytogenetics:</b>	X 37.95 cM
<b>Gene Summary:</b>	<p>This gene encodes a mitochondrial phospholipid-lysophospholipid transacylase necessary for normal composition and content of cardiolipin. In humans, mutations of this gene result in Barth syndrome, most often characterized by cardioskeletal myopathy, neutropenia and abnormal mitochondria. This gene is distinct from the gene encoding transcriptional coactivator with PDZ binding motif. Both genes share the gene symbol Taz. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (4) lacks an exon and uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting protein (isoform 4) is shorter and has a distinct C-terminus compared to isoform 1.</p>