

Product datasheet for **MC226083**

Taz (NM_001290738) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Taz (NM_001290738) Mouse Untagged Clone
Tag: Tag Free
Symbol: Taz
Synonyms: 5031411C02Rik; 9130012G04Rik; AW107266; AW552613; G4.5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226083 representing NM_001290738
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCTCCATGTGAAGTGGCCATTCCCCGGGTGCCCCGGCTCACCTGGACTCTAGCCAGCAGCGTCCG
TCATGGGCTAGTTGGCACCTACAGCTGCTTCTGGACCAAGTACATGAACCACCTCACCGTGACAACAA
GGAAGTGTGTATGAGCTCATTGAGAACCGAGGCCCTGCCACCCCTTATCACCGTCTCCAACCACCAG
TCTTGATGGATGACCCTCATCTCTGGGGATCCTAAAACCTCCGCCACATCTGGAACCTGAAGTTGATGC
GTTGGACCCAGCAGCTGCAGACATCTGCTTACCAAGGAGCTGCACTCCCATTTCTTCAGCTTGGCAA
ATGTGTGCCTGTGTGTCGAGGAAAGTAAACATGAGTTCTGAGTTCTGCGCTTCAAATGGGTAGGAATT
GGACGGCTGATTGCTGAGTGTCATCTGAATCCCATCATCCTGCCACTGTGGCATGTTGAAAATCACCGTG
CTGATTGGGAAGCCCTTCAGTACACTCCCTGTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290738
Insert Size: 528 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).



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| 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: | <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_001290738.1</u> , <u>NP_001277667.1</u> |
| RefSeq Size: | 1699 bp |
| RefSeq ORF: | 528 bp |
| Locus ID: | 66826 |
| UniProt ID: | <u>Q810E8</u> |
| Cytogenetics: | X 37.95 cM |
| Gene Summary: | <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 (5) lacks two alternate exons in the 3' coding region, which results in a frameshift, compared to variant 1. This resulting protein (isoform 5) is shorter and has a distinct C-terminus compared to isoform 1.</p> |