

Product datasheet for **MR228294**

Taz (NM_001290738) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Taz (NM_001290738) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Taz
Synonyms: 5031411C02Rik; 9130012G04Rik; AW107266; AW552613; G4.5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228294 representing NM_001290738
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTCCATGTGAAGTGGCCATTCCCCGGTGCCCCGGCTCACCTGGACTCTAGCCAGCAGCGTCC
TCATGGGCTAGTTGGCACCTACAGCTGCTTCTGGACCAAGTACATGAACCACCTCACCGTGACAACAA
GGAAGTGTGTATGAGCTCATTGAGAACCGAGGCCCTGCCACCCCTTATCACCGTCTCAACCACCAG
TCTTGCATGGATGACCCTCATCTCTGGGGATCCTAAAACCTCCGCCACATCTGGAACCTGAAGTTGATGC
GTTGGACCCAGCAGCTGCAGACATCTGCTTACCAAGGAGCTGCACTCCCATTCTTCAGCTTGGGCAA
ATGTGTGCCTGTGTGCGAGGAAAGTAAACATGAGTTCTGAGTTCTGCGCTTCAAATGGGTAGGAATT
GGACGGCTGATTGCTGAGTGTCTGAATCCCATCATCTGCCACTGTGGCATGTTGAAAATCACCGTG
CTGATTGGGAAGCCCTTCAGTACACTCCCTGTGCT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228294 representing NM_001290738
Red=Cloning site Green=Tags(s)

MPLHVKWPFPAVPRLTWTLASSVVMGLVGTYSCEFVKYMNHLTVHNKEVLYELIENRGPATPLITVSNHQ
SCMDPHLWGILKLRHIWNLKLMRWTPAAADICFTKELSHFFSLGKCVPCRGKVNMSSEFLRFKRWGI
GRLIAECHLNPIILPLWHVENHRADWEALQYTPCA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

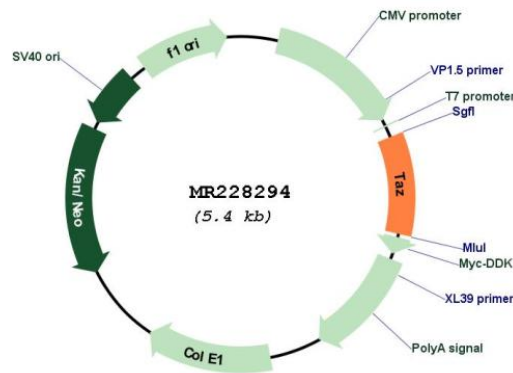


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001290738

ORF Size: 525 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:	<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
MW:	20.7 kDa
Gene Summary:	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]