

Product datasheet for MR228478

Taz (NM_001242616) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Taz (NM_001242616) 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: >MR228478 representing NM_001242616
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCTCCATGTGAAGTGGCCATTCCCCGGGTGCCCCGGCTCACCTGGACTCTAGCCAGCAGCGTCC
TCATGGGCCTAGTTGGCACCTACAGCTGCTTCTGGACCAAGTACATGAACCACCTCACCGTGACAACAA
GGAAGTGTGTATGAGCTCATTGAGAACCGAGGCCCTGCCACCCCTTATCACCGTCTCCAACCACCAG
TCTTGCATGGATGACCCTCATCTCTGGGGATCCTAAACTCCGCCACATCTGGAACCTGAAGTTGATGC
GTTGGACCCAGCAGCTGCAGACATCTGCTTACCAAGGAGCTGCACTCCCATTTCTTCAGCTTGGGCAA
ATGTGTGCTGTGTGCGAGGAGATGGTGTCTACCAGAAAGGGATGGACTTCATTTTGGAGAAGCTTAAC
CATGGGACTGGGTGCACATCTCCAGAAAGGAAAGTAAACATGAGTTCTGAGTTCTGCGCTTCAAAT
GGGGAATTGGACGGTGATTGCTGAGTGTATCTGAATCCCATCATCTGCCACTGTGGCATGTTGAAAA
TCACCGTGCTGATTGGGAAGCCCTCAGTACACTCCCTGTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228478 representing NM_001242616
Red=Cloning site Green=Tags(s)

MPLHVKWPFPAVPRLTWTLASSVVMGLVGTYSFVTKYMNHLTVHNKEVLYELIENRGPATPLITVSNHQ
SCMDDPHLWGILKLRHIWNLKLRWTPAAADICFTKELHSHFFSLGKCVPCRGDGVYQKGMDFILEKLN
HGDVWHIFPEGKVNMSSEFLRFKWIIRLIECHLNPIILPLWHVENHRADWEALQYTPCA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

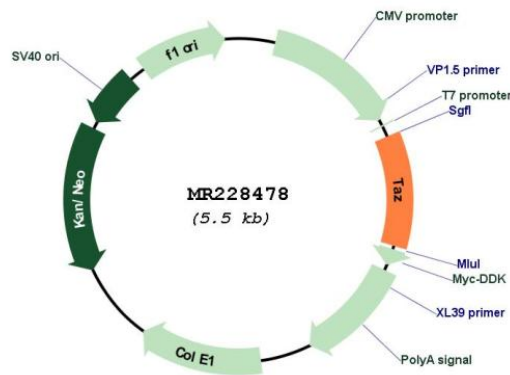


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001242616

ORF Size: 603 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:

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_001242616.2](#), [NP_001229545.1](#)

RefSeq Size: 1777 bp

RefSeq ORF: 606 bp

Locus ID: 66826

UniProt ID: [Q810E8](#)

Cytogenetics: X 37.95 cM

MW: 23.7 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]