

Product datasheet for MC229644

Topaz1 (NM_001199736) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Topaz1 (NM_001199736) Mouse Untagged Clone
Tag: Tag Free
Symbol: Topaz1
Synonyms: 671232; Gm9524
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229644 representing NM_001199736
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGGCCCGCAGCGACGCCCCAGACCCGACCAAGGAGCCAGGGTGCAAAGGCACCACCCGAGGCCTGA
 GGAAGCGAGGCCCTCCGCTGACGCCAGAGCCAGGCGAGGGGGAGGCTGCAGCCTGGAGGCCAGGGGGT
 CGAGGAGGAGAGCAGGCAGAAGCAGAGGATGGTGACCCAGGCTTCTGGGAGAGAAGACAGAAGGTGAC
 AAGTTGGCCAAAGAGAATGGAAAAATTACTGAGGCCCAAGTGATGATCCACGCCAGGGACTGACCTGG
 TAAGAAAGACATCAATAACAGTTCGGAGTCTTTGCAAACAGTGGAGTGCAGTGAATTTCAAATATGGC
 TTTCTTACAGTCTTTGGATAAGGAAGAATTGGGAGAAGGTATTAAGAAGAATGCGAATTAATAAATGT
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 AAACCTCATGATGTATGTCTACACACTGAAGAGAACTCTTTGAAGTTAAAGAAAGAAAACCTTAGGAATC
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 AATAACCATAATACACTCCCTCCGGTGGACATTTGTGTCTCCCAAAACAGTGGGAAAAACAAGTTCTA
 GGCATCACATAAATGCTATGCTTCAGAAAACCTCGAATCAAGTTTGAAGAGGATATAAAAAATACTTC
 AGAGTCCCTTAGGATGCAAACGTATAGAGCCAGAAAAATAATAAATCGATGATAAGCTCTACAGTGAAA
 TCACCTAGTGACGCCATCATATGGAAGAGATCTCCACGGGGAGATCTGAGAAGTGAAGTGAAGAGT
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 AATATCTGCCAGTGTGGAAAAAGACTTCCTTGTGAGATTTAAATTACTCACTTCTGGGCCACTGGAA
 AATGTTAGGCAACATGATTCTATAATACACCAATGAACCAGACTCACTTACCTGACTCTAACTGTTAC



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AACCATCCTTAACAGAAAGAACTACTGAGTCCTCAAGAAAAGAAATGTATGATTCTGATTTAAGTTGTTT
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TCCATGTGCTGAGCAGGGGATGAGAAGATCTGCATGGATGTGTTTAGGAAATACATAAGTGTCAATGA
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AAGAAATATCTGCAGTTCTGCAAGCCAAATCCAGTTGCGAGTGAGGCAGCTGAAAAAGAACTGGAAGTG
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TCACAAGTTTAAAAGGACTTACAGGACCTGAAAAAGAAGCACAAGATGTCAAATGTAATGTTGCAGC
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ATGAAATCTTGGCAAGAATCTTTACAAACAAACATTTGAGGTCTTACGGAATCTACCAAGCTTTAGAA
TTCTCAAGAAATGATGGGGTTTCCAGTCCAGCCTTCTTTTTAATGAACTTCTGGATGCCTGTATAGAA
AGTAACAGTCTTGGCATAATCGTCTTCTGTAGCAGAGTTCATGGTTGCCAAGAGCATCCCTATTGACTTTT
CCTTTCTCAGGAGACTCATCACTTCTTAGGAAGGAGTTGTTTGTGGCTCAAAGCCAGAGCCCACTACAA
AAGTGCTCTTCACTGGGTTGCTACCCACCATTAGAGGGAACTTACACCGGAACTTCTCTGTTCTCT
TCGTATCTATCTGAGATTGAAATGCTTTTAGCTATGGAATATTTCTGGTGTCCAATGCTAGTGGCATT
AGAGTGCAGGAATGGGAGCGCCACACAGGTGCTGCAGATTGCTGAAAAGATGTGAAGAAAGCAAATC
TCGAAGCAAGGATGAATATCAAGCTGCAGTAGAAAGATTGGTCATGGCTGCTCGAATATCGGACCCCAAG
CTTTTCATTAAGCACATGACTGTCAATATTAACAAGGAGCAGGTACAGTCTGGAGCACTGTTCTGCTT
TGAATGGCTGAAAGAGAATATGAAGTGGCTGGAAGGTTTGGCTTTTCACTAACCATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001199736
Insert Size:	4962 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).
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_001199736.1</u> , <u>NP_001186665.1</u>
RefSeq Size:	4969 bp
RefSeq ORF:	4962 bp
Locus ID:	671232
UniProt ID:	<u>E5FYH1</u>
Cytogenetics:	9
Gene Summary:	Important for normal spermatogenesis and male fertility. Specifically required for progression to the post-meiotic stages of spermatocyte development. Seems to be necessary for normal expression levels of a number of testis-expressed gene transcripts, although its role in this process is unclear.[UniProtKB/Swiss-Prot Function]