

Product datasheet for **MG203728**

Batf2 (NM_028967) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Batf2 (NM_028967) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Batf2
 Synonyms: 4933430F08Rik; B-ATF-2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG203728 representing NM_028967
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAACTCTGTGGGAGTAGCGAGCTGCTGACTGAGACAGACCTTGGGGAGTCTCAGAAACAGCTGAAGA
 AGAAGCAGAAGAACCGAGTGGCTGCCAGCGCAGCCGGCAGAAGCACACCAGTAAGGCGGACGCTCTGCA
 CCAGCAGCACGAATCCTTGGAGAAACAGAACCAGCCCTTCGGAAGGAGATCCAGGCCTTGCACTGAG
 CTGGCAGGGTGGGCGGACACTGCACTTGCATGAACGCCTGTGCAGAGTGGACTGTGATCCCTGCCCTG
 TTCTGCTGCCCTCTGGATGCCCAATCCAGGCCAAGCAACCCTCAGGACAACCTGCCCTCTTGATACAA
 TGGCTGCCAGGAACAACCTGGGCCTGTCCAGACTCCGGGCTCATCTCCCGAGCCAGCATCTCTCCA
 GGTCCATGCTCTCATGAGTCTCCTGGCCTCCTCCCTCCCTCCTGCCTTCACTGGCCTTTGACCCCTCA
 TGGTGAGGACACCTCTAGCCCAGCTCTCCCCAGCCCTGTCTGTCTGCATCATCACCCTTCTGGTCCAG
 CCTGCTGGGGTCTTTCTAAGCTTGATCCCTCATACCCAGCCCCAAGACCAACTGGCCCCACCACAA
 CCCCTCAGGCAGGAGCAGCCACCAGTGGGAGGCTGGCATCCTCTGACTCTCCAGCTGCTCTGGACCAG
 AGTGTTCACAGAACAGAGAGCATTTGCCGGCACTGCCTGGCTCCTCCACTATTGGCAGAAGTCATCTGT
 GGCCCCTAGCCACAGGCCCTCATGGCCTTCCCCCTGCTTCTTCTGCAAAGTCCACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203728 representing NM_028967
Red=Cloning site Green=Tags(s)

MQLCGSSELLTETDLGESQQLKKKQKNRVAAQRSRQKHTSKADALHQQHESLEKQNHALRKEIQALQTE
LAGWGRTLHLHERLCRVDCDPCPVLLPSGCP IQAKQPSGQPAPLYNGCQEQLGLFQTPGSSPRAQHLSP
GPCSHESPLLPSLLPSLAFDPLMVRTPLAQLSPSPVL SASSPSGSSLLGSF SKLDPLIPSPQDQLAPPQ
PLRQEPTSGRLASSDSPAALGPECSQNRHLPALPGSSTHWQKSSVAPSPQALMAFP LLSAKVHF

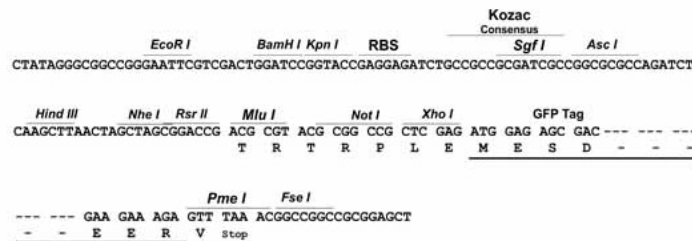
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3211_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_028967

ORF Size: 831 bp

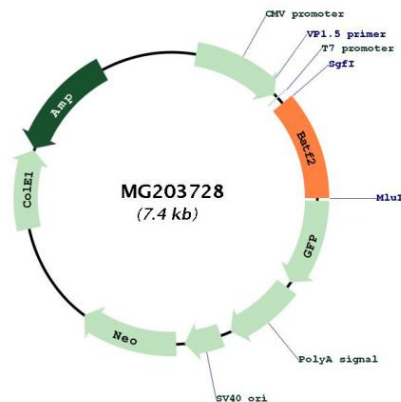
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_028967.2</u>
RefSeq Size:	1433 bp
RefSeq ORF:	834 bp
Locus ID:	74481
UniProt ID:	<u>Q8R1H8</u>
Cytogenetics:	19 A
Gene Summary:	<p>AP-1 family transcription factor that controls the differentiation of lineage-specific cells in the immune system. Selectively suppresses CCN1 transcription and hence blocks the downstream cell proliferation signals produced by CCN1 and inhibits CCN1-induced anchorage-independent growth and invasion in several cancer types. Possibly acts by interfering with AP-1 binding to CCN1 promoter (By similarity). Following infection, participates in the differentiation of CD8(+) thymic conventional dendritic cells in the immune system. Acts via the formation of a heterodimer with JUN family proteins that recognizes and binds DNA sequence 5'-TGA[CG]TCA-3' and regulates expression of target genes. [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG203728