

Product datasheet for **RG236410**

BATF2 (NM_001300808) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BATF2 (NM_001300808) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BATF2
Synonyms: SARI
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236410 representing NM_001300808.
Blue=ORF Red=Cloning site Green=Tag(s)

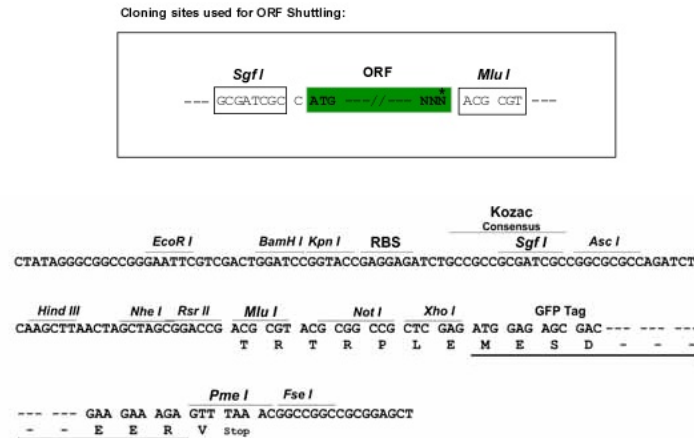
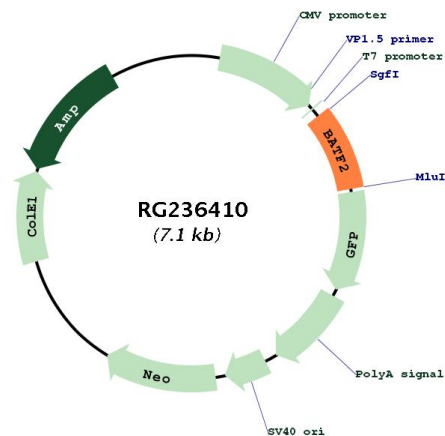
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATTGTGCTCCTGCTCAGCTCCAGGGCTCCTGGGCTGCTGGGACCAGGCTGAGGGGCTCCTGGGC
CCTGGCCACAGGGACAACATGGCTGCCGGGAGCAGCTGGAGCTGTTCCAGACCCGGGTTCTGTTAC
CCAGCTCAGCCGCTCTCCAGGTCCACAGCCTCATGATTCTCCAGCCTCCTCCAGTCCCCCTGCC
TCACTGTCCTTGGCCCCGCTGTGGTTGCTGAACTCCTGTCCAGCTGTCCCCAGCCCTCCTCTGTTT
GCCTCGCACTGTTCCAGCCTGCAGGGTCTTCTCTAAGCTCAGTGCCTCCAGCCAGCCTCAGC
GCCAAACTGCCCTCCACAGCCCTCGAGCTGGAGCATCCACCAGAGGAAGCTGGGGTCTCTCCC
GACAACCTTCTCTGCCCTGGGCTTGCAGCTTGCAGAGCAGGGAGCACAACCTGCTCTCAGCA
GCCACTTGGCAAGGGCTGTTGTGGATCCAGCCCTCACCTCTCTGGCCTTCTCTGCTCTCTCT
GCTCAAGTCCACTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236410
Blue=ORF Red=Cloning site Green=Tag(s)

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MDCASCSAPLLGCWDQAEGLLGPQPQGHGCREQLELFQTPGSCYPAQPLSPGPQPHDPSLLQCPLP
SLSLGPAVVAEPPVQLSPSPLLFASHTGSSLQGSSSKLSALQPSLTAQTAPPQPLELEHPTRKLGSSP
DNPSSALGLARLQSRHQPALSAATWQGLVVDPSPHPLLAFFLLSSAQVHF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001300808

ORF Size: 567 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).

RefSeq:	NM_001300808.1 , NP_001287737.1
RefSeq Size:	1955 bp
RefSeq ORF:	570 bp
Locus ID:	116071
UniProt ID:	Q8N1L9
Cytogenetics:	11q13.1
Protein Families:	Transcription Factors
MW:	20 kDa
Gene Summary:	AP-1 family transcription factor that controls the differentiation of lineage-specific cells in the immune system. 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 (By similarity). 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, such as breast cancer, malignant glioma and metastatic melanoma. Possibly acts by interfering with AP-1 binding to CCN1 promoter.[UniProtKB/Swiss-Prot Function]