

## Product datasheet for **SC334824**

### **BATF2 (NM\_001300807) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BATF2 (NM_001300807) Human Untagged Clone
Tag:	Tag Free
Symbol:	BATF2
Synonyms:	SARI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300807, the custom clone sequence may differ by one or more nucleotides

ATGGCTCCTGTGGCAAGAGAATAGGTGGTTTGGGGACACACGGGTTGGAGGCCGTGCATATCCAGC  
AGCACGAGTCTCTGAAAAAGACAACCTCGCCCTGCGGAAGGAGATCCAGTCCCTGCAGGCCGAGCTGGC  
GTGGTGGAGCCGACCCTGCACGTGCATGAGCGCCTGTGCCCCATGGATTGTGCCTCCTGCTCAGCTCCA  
GGGCTCCTGGGCTGCTGGGACCAGGCTGAGGGGCTCCTGGGCCCTGGCCACAGGGACAACATGGCTGCC  
GGGAGCAGCTGGAGCTGTTCCAGACCCCGGGTTCCTGTTACCCAGCTCAGCCGCTCTCTCCAGGTCCACA  
GCCTCATGATTCTCCAGCCTCCTCCAGTGCCCCCTGCCCTCACTGTCCCTTGGCCCCGCTGTGGTTGCT  
GAACCTCCTGTCCAGCTGTCCCCAGCCCTCTCCTGTTTGCCTCGCACTGGTTCCAGCCTGCAGGGGT  
CTTCCTCTAAGCTCAGTGCCCTCCAGCCAGCCTCACGGCCCAAACCTGCCCTCCACAGCCCTCGAGCT  
GGAGCATCCCACAGAGGGAAGCTGGGGTCTCTCCGACAACCCCTCCTCTGCCCTGGGGCTTGACGT  
CTGCAGAGCAGGGAGCACAACCTGCTCTCTCAGCAGCCACTTGGCAAGGGCTGGTTGTGGATCCCAGCC  
CTCACCTCTCCTGGCCTTCTCTGCTCTCCTGCTCAAGTCCACTTCTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001300807
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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001300807.1, NP_001287736.1</u>
<b>RefSeq Size:</b>	2074 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	116071
<b>UniProt ID:</b>	<u>Q8N1L9</u>
<b>Cytogenetics:</b>	11q13.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) has an alternate exon in place of the first two exons compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p>