

## Product datasheet for **RC239018**

### **EBF1 (NM\_001290360) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EBF1 (NM_001290360) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EBF1
Synonyms:	COE1; EBF; O/E-1; OLF1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC239018 representing NM\_001290360  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTTGGGATTCAGAAAGCATCCAACGGAGTGAAGCAGCATGAAGGAAGAGCCGCTGGCGACGGCA  
 TGAACCGCGGTGCGGACGTGGATGCAAGGCGCCGGGTGCTGGACGCCAACACGGCGCGCAGAGCGGGT  
 GGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCCAATCTGCGGAAATCCAACCTTCTCCACTTC  
 GTCCTGGCCCTACGACAGACAGGGCCAGCCCGTGGAGATCGAGAGGACAGCGTTTGTGGGGTTCGTGG  
 AGAAGGAAAAAGAAGCCAACAGCGAAAAGACCAATAACGGAACTCACTACCGGCTTCAGCTTCTCTACAG  
 CAATGGGATAAGGACGGAGCAGGATTTCTACGTGCGCCTATTGACTCCATGACAAAACAAGCCATAGTG  
 TATGAAGGCCAAGACAAGAACCAGAAATGTGCCGAGTCTTGCTCACACATGAGATCATGTGCAGCCGCT  
 GTTGTGACAAGAAAAGCTGTGGCAACCGAAATGAGACTCCCTCAGATCCAGTGATAATTGACAGGTTCTT  
 CTTGAAATTTTTCTCAAATGTAACCAAAATTGCCTAAAGAATGCGGGAAACCCAGTGACATGCGGAGA  
 TTCCAGGTCGTGGTGTCTACGACAGTCAATGTGGATGGCCATGTCTGGCAGTCTCTGATAACATGTTTG  
 TCCATAATAATTCCAAGCATGGGCGGAGGGCTCGGAGGCTTGACCCCTCGGAAGGTACGCCCTTATCT  
 GGAACATGCAGCTACTCCCTGTATCAAAGCCATCAGCCCGAGTGAAGGATGGACGACGGGAGGTGCGACT  
 GTGATCATCATAGGGGACAATTTCTTTGATGGTTACAGGTCAATTCGGTACCATGCTGGTCTGGAGTG  
 AGTTGATCACTCCTCATGCCATCCGTGTGCAGACCCCTCCTCGGCACATCCCTGGTGTGTGGAAGTCAC  
 ACTGTCCTACAAATCTAAGCAGTTCTGCAAAGGAACACCAGGCAGATTCATTTATACAGCGCTCAACGAA  
 CCCACCATCGATTATGGTTTCCAGAGGTTACAGAAGGTCATTCTCGGCACCCCTGGTGACCTGAGCGTT  
 TGCCAAAAGGAAGTAATACTCAAAGGGCTGCGGATCTGGTAGAAGCACTGTATGGGATGCCACACAACA  
 CCAGGAAATCATTCTGAAGAGAGCGGCCGACATTGCCGAGGCCCTGTACAGTGTTCCCGCAACCCACAAC  
 CAACTCCCGGCCCTTGCTAACACCTCGTCCACGAGGGATGATGGGCGTGAATTCGTTCACTGGACAAC  
 TGGCCGTGAATGTCTCCGAGGCATCACAAGCCACCAATCAGGGTTTACCCGCAACTCAAGCAGCGTATC  
 ACCACACGGGTACGTGCCGAGCACCCTCCCGAGCAGACCAACTAACTCCGTCAACCACGAGCATGAAC  
 GGATACGGCTCTGCCGAATGTCCAATTTGGGCGGCTCCCCACCTTCTCAACGGCTCAGTGCCAACT  
 CCCCTATGCCATAGTGCCATCCAGCCCCACCATGGCCTCCTCCACAAGCCTCCCTCCAACCTGCAGCAG  
 CTCTCGGGCATTTCTCTTCTCACCAGCCAACATGGTCTCAGCCGTGAAACAGAAGAGTGCTTTTCGCA  
 CCAGTCGTGAGACCCAGACCTCCCGACCTCCACCTGCACCAGCACCAACGGGAACAGCCTGCAAGCGA  
 TATCTGGCATGATTGTTCTCTCTATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239018 representing NM\_001290360  
 Red=Cloning site Green=Tags(s)

MFGIQESIQRSGSSMKEEPLGSGMNAVRTWMQAGVLDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF  
 VLALYDRQGQPVIEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRLIDSMTKQAI  
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFLLKFFLKCNQNLKNAGNPRDMRR  
 FQVVVSTTVNVDGHVLAUSDNMFVHNSKHGRRARRLDPSEGTPSYLEHAATPCIKAIISPSEGWTTGGAT  
 VIIIGDNFFDGLQVIFGTMVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGTPGRFIYALNE  
 PTIDYGFQRLQKVI PRHPGDPERLPKEVILKRAADLVEALYGMPHNNQEIILKRAADIAEALYSVPRNHN  
 QLPALANTSVHAGMMGVNSFSGQLAVNVSEASQATNQGFTRNSSSVSPHGYVPSTTPQQTNYNSVTTSMN  
 GYGSAAAMNLGGSPTFLNGSAANSPIAIVPSSPTMASSTSLPNSCSSSSGIFSFSPANMVS AVKQKSAFA  
 PVVRPQTSPPPTCTSTNGNSLQAISGMIVPPM

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

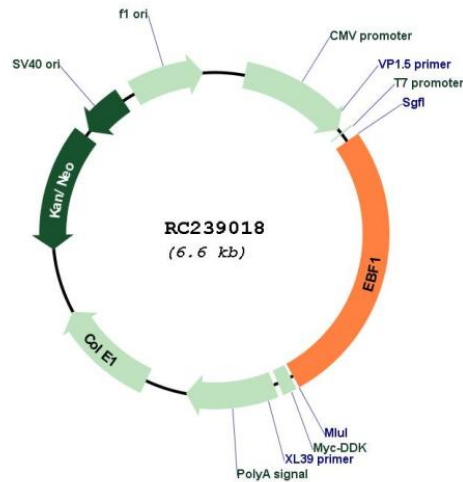
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


ACCN: NM\_001290360

ORF Size: 1776 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001290360.3</a>
<b>RefSeq Size:</b>	5285 bp
<b>RefSeq ORF:</b>	1779 bp
<b>Locus ID:</b>	1879
<b>Cytogenetics:</b>	5q33.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	65 kDa
<b>Gene Summary:</b>	Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGAATT-3'. [UniProtKB/Swiss-Prot Function]