

Product datasheet for **RC238896**

EBF1 (NM_182708) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EBF1 (NM_182708) 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:

>RC238896 representing NM_182708
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTGGGATTCAGAAAGCATCCAACGGAGTGAAGCAGCATGAAGGAAGAGCCGCTGGCGACGGCA
 TGAACGCGGTGCGGACGTGGATGCAGGGCGCCGGGTGCTGGACGCCAACACGGCGCGCAGAGCGGGT
 GGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCCAATCTGCGGAAATCCAATTCTTCCACTTC
 GTCCTGGCCCTACGACAGACAGGGCCAGCCGTGGAGATCGAGAGGACAGCGTTTGTGGGGTTCGTGG
 AGAAGGAAAAAGAAGCCAACAGCGAAAAGACCAATAACGGAAATCACTACCGGCTTCAGTTCTCTACAG
 CAATGGGATAAGGACGGAGCAGGATTTCTACGTGCGCCTATTGACTCCATGACAAAACAAGCCATAGTG
 TATGAAGGCCAAGACAAGAACCAGAAATGTGCCGAGTCTTGCTCACACATGAGATCATGTGCAGTTCT
 TCTTGAATTTTTCTCAATGTAAACAAAATTGCCTAAAGAATCGGGAAACCCACGTGACATGCGGAG
 ATTCCAGGTCGTGGTGTCTACGACAGTCAATGTGGATGGCCATGTCTGGCAGTCTCTGATAACATGTTT
 GTCATAATAATTCGAAGCATGGGCGGAGGGCTCGGAGGCTTGACCCCTCGGAAGCTACTCCCTGTATCA
 AAGCCATCAGCCCGAGTGAAGGATGGACGACGGGAGGTGCGACTGTGATCATCATAGGGGACAATTTCTT
 TGATGGTTACAGGTCATATTCGGTACCATGCTGGTCTGGAGTGAATTGATCACTCCTCATGCCATCCGT
 GTGCAGACCCCTCCTCGGCACATCCCTGGTGTGTGGAAGTCACTGTCTTACAATCTAAGCAGTTCT
 GCAAAGGAACACCAGGCAGATTCATTTATACAGCGCTCAACGAACCCACCATCGATTATGGTTTCCAGAG
 GTTACAGAAGGTCATTCCTCGGCACCCTGGTGACCCTGAGCGTTTGCCAAAGGAAGTAATACTCAAAGG
 GCTGCGGATCTGGTAGAAGCACTGTATGGGATGCCACACAACAACCAGGAAATCATTCTGAAGAGAGCGG
 CCGACATTCGCGAGGCCCTGTACAGTGTTCGCCCAACCAACCAACTCCCGCCCTTGCTAACACCTC
 GGTCACGACGGGATGATGGGCGTGAATTCGTTCAAGTGGACAACCTGGCCGTGAATGTCTCCGAGGCATCA
 CAAGCCCAATCAGGGTTTACCCGCAACTCAAGCAGCGTATCACACACGGGTACGTGCCGAGACCA
 CTCCCAGCAGACCAACTATAACTCCGTACCACGAGCATGAACGGATACGGCTCTGCCGAATGTCCAA
 TTTGGGCGGCTCCCCACCTTCTCAACGGCTCAGCTGCCAACTCCCCTATGCCATAGTGCCATCCAGC
 CCCACCATGGCTCCTCCACAAGCTCCCCTCAAAGTGCAGCAGCTCCTCGGGCATCTTCTCCTTCTCAC
 CAGCCAACATGGTCTCAGCCGTGAAACAGAAGAGTGCTTTCGACCAGTCGTGAGCCCCAGACCTCCCC
 ACCTCCCACCTGCACCAGCACCAACGGGAACAGCTGCAAGCGATATCTGGCATGATTGTCTCTCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238896 representing NM_182708
 Red=Cloning site Green=Tags(s)

MFGIQESIQRSGSSMKEEPLGSGMNAVRTWMQAGVLDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF
 VLALYDRQGPVEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRLIDSMTKQAI
 YEGQDKNPEMCRVLLTHEIMCRFFLKFFLKCNQCNCLKNAGNPRDMRRFQVVVSTTVNVDGHVLA
 VSDNMFVHNSKHGRRARRLDPSEATPCIKAIISPSEGWTTGGATVIIIGDNFFDGLQVIFGTM
 LVWSELITPHAIRVQTPPRHIPGVVEVTLVSYKSKQFCKGTPGRFIYALNEPTIDYGFQRLQKVI
 PRHPGDPERLPKEVILKRAADLVEALYGMPHNNQEIIILKRAADIAEALYSVPRNHNLPALANT
 SVHAGMMGVNSFSQGLAVNVSEASQATNQGFRNSSSVSPHYVPSTTPQQTNYNSVTTSMNGY
 GSAAMNLGGSPFTLNLSAANSPYAI
 VPSSPTMASSTSLPNSCSSSSGIFSFSPANMVS
 AVKQKSAFAPVVRPQTSPPTCTSTNGNSLQAI
 SGMIVPPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

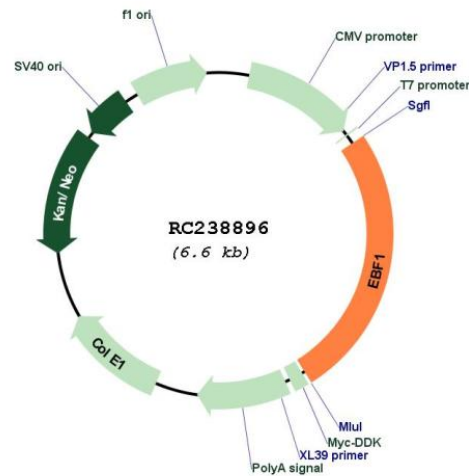
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_182708
ORF Size:	1680 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).
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:	NM_182708.3
RefSeq Size:	5189 bp
RefSeq ORF:	1683 bp
Locus ID:	1879
UniProt ID:	Q9UH73
Cytogenetics:	5q33.3
Protein Families:	Transcription Factors
MW:	61.5 kDa
Gene Summary:	Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. [UniProtKB/Swiss-Prot Function]