

Product datasheet for **RG239018**

EBF1 (NM_001290360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EBF1 (NM_001290360) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EBF1
Synonyms:	COE1; EBF; O/E-1; OLF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239018 representing NM_001290360.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTTGGGATTCAGAAAGCATCCAACGGAGTGAAGCAGCATGAAGGAAGAGCCGCTGGGCAGCGGC
ATGAACCGCGTGCAGAGTGGATGCAGGGCGCCGGGGTCTGGACGCCAACACGGCGGCAGAGCGGG
GTGGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCCAATCTGCGGAAATCCAACCTCTCCAC
TTCGTCCTGGCCCTCTACGACAGACAGGGCCAGCCCGTGGAGATCGAGAGGACAGCGTTTGTGGGTTC
GTGGAGAAGAAAAAGAACCAACAGCGAAAAGACCAATAACGGAATTCCTACCGGCTTCACTTCTC
TACAGCAATGGGATAAGGACGGAGCAGGATTTCTACGTGCGCCTCATTGACTCCATGACAAAAACAAGCC
ATAGTGTATGAAGCCAAGACAAGAACCAGAAATGTGCCGAGTCTTGCTCACACATGAGATCATGTGC
AGCCGCTGTTGTGACAAGAAAAGCTGTGGCAACCGAAATGAGACTCCCTCAGATCCAGTGATAATTGAC
AGGTTCTTCTTGAATTTTTCTCAAATGTAACCAAAATGCCTAAAGAATGCGGAAACCCACGTGAC
ATGCGGAGATTCCAGGTCGTGGTGTCTACGACAGTCAATGTGGATGGCCATGTCCTGGCAGTCTCTGAT
AACATGTTTGTCCATAATAATCCAAGCATGGGCGGAGGGCTCGGAGGCTTGACCCTCGGAAGGTACG
CCCTCTTATCTGGAACATGCAGCTACTCCCTGTATCAAAGCCATCAGCCCGAGTGAAGGATGGACGACG
GGAGGTGCGACTGTGATCATCATAGGGGACAATTTCTTTGATGGGTTACAGGTCAATTCGGTACCATG
CTGGTCTGGAGTGAGTTGATCACTCCTCATGCCATCCGTGTGCAGACCCCTCCTCGGCACATCCCTGGT
GTTGTGGAAGTCACTGTCTACAAATCTAAGCAGTTCTGCAAAGGAACACCAGGCAGATTCATTTAT
ACAGCGCTCAACGAACCCACCATCGATTATGGTTTCCAGAGTTACAGAAGGTATTCTCTCGGCACCT
GGTGACCTGAGCGTTTGCCAAAGGAAGTAATACTCAAAGGGCTGCGGATCTGGTAGAAGCACTGTAT
GGGATGCCACACAACAACCAAGAAATCACTTGAAGAGAGCGGGCCGACATTGCCGAGGCCCTGTACAGT
GTTCCCGCAACCAACCAACTCCCGCCCTTGCTAACACCTCGGTCCACGAGGGATGATGGGCGTG
AATTCGTTCAAGTGGACAACCTGGCCGTGAATGTCTCCGAGGCATCAACAAGCCACCAATCAGGGTTTACC
CGCAACTCAAGCAGCGTATCACCACACGGGTACGTGCCGAGCACCCTCCCGAGCAGACCAACTATAAC
TCCGTCACCACGAGCATGAACGGATACGGCTCTGCCGCAATGTCCAATTTGGGCGGCTCCCCACCTTC
CTCAACGGCTCAGCTGCCAACTCCCCTATGCCATAGTCCATCCAGCCCCACCATGGCCTCCTCCACA
AGCCTCCCCTCCAAGTGCAGCAGCTCCTCGGCATCTTCTCCTTCTCACCAGCCAACATGGTCTCAGCC
GTGAAACAGAAGAGTGTTCGACCAGTGTGACAGCCAGACCTCCCGACCTCCCGACCTGCACCAGC
ACCAACGGGAACAGCCTGCAAGCGATATCTGGCATGATTGTTCTCTATG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG239018
 Blue=ORF Red=Cloning site Green=Tag(s)

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MFGIQESIQRSGSSMKEEPLGSGMNAVRTWMQAGVLDANTAAQSGVGLARAHFEKQPPSNLRKSNFFH
FVLALYDRQGQPVIEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRLIDSMTKQA
IVYEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFLLKFFLKCQNCLKNAGNPRD
MRRFQVVVSTTVNVDGHVLAVSDNMFVHNNSKHGRRARRLDPSEGTPSYLEHAATPCIKAI SPSEGWTT
GGATVIIIGDNFFDLQVIFGTMLVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGTPGRFIY
TALNEPTIDYGFQRLQKVI PRHPGDPERLPKEVILKRAADLVEALYGMPHNNQEIILKRAADIAEALYS
VPRNHNL PALANTSVHAGMMGVNSFSGQLAVNVSEASQATNQGFTRNSSVSPHGYVPSTTPQQTNYN
SVTTSMNGYSAAMSNLGGSPFLNGSAANSPIAIVPSSPTMASSTSLPNSCSSSGIFSFSPANMVSA
VKQKSAFAPVVRPQTSPPTCTSTNGNSLQAISGMIVPPM
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

SgfI-MluI

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_001290360.3
RefSeq Size:	5285 bp
RefSeq ORF:	1779 bp
Locus ID:	1879
Cytogenetics:	5q33.3
Protein Families:	Transcription Factors
MW:	65 kDa
Gene Summary:	Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATCCCNNGGAATT-3'. [UniProtKB/Swiss-Prot Function]