

Product datasheet for **SC317986**

EBF2 (NM_022659) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EBF2 (NM_022659) Human Untagged Clone
Tag:	Tag Free
Symbol:	EBF2
Synonyms:	COE2; EBF-2; O/E-3; OE-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_022659, the custom clone sequence may differ by one or more nucleotides

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ATGTTTGGAAATCAAGATACTTTAGGAAGAGGACCAACTCTGAAAGAGAAATCGCTGGGCGGGAGATGG
ATTCGGTCAGGTCTGGGTCCGGAATGTCGGAGTGGTGGACGCTAATGTCGCCGCGCAGAGCGGGTCCG
CCTGTCCCGGGCCACTTTGAGAAACAGCCTCCTCCAACCTTGAGGAAATCCAACCTTTCTCACTTCGTC
CTGGCGCTCTATGACAGGCAGGGCCAGCCGGTGGAGATCGAGCGGACGGCCTTCGTGGACTTTGTGGAGA
ATGACAAAAGAACAAGGCAACGAGAAGACCAACAACGGCACTCACTACAAGTTACAGCTCCTCTACAGCAA
CGGTGTCCGCACGGAACAGGACCTCTATGTCAGGCTCATCGACTCGGTACCAAGCAGCCCATCGTTAC
GAGGGACAGAATAAGAATCCGGAATGTCCGAGTTCTCCTGACGCACGAAGTGTGTAGTTCGATGCT
GCGAAAAGAAAAGCTGTGAAACCGAAATGAGACTCCATCGACCAGTCATAATTGACAGATTCTTTTT
AAAATTTTCTCAAGTGAATCAGAATTGTTTAAAACAGCAGGAAACCAAGGGACATGAGACGGTTT
CAGGTTGTGTGTCAACAACGGTGAATGTGGATGGACACGTCCTGGCTGTTTCTGACAACATGTTTGTTT
ATAAACAACCTCAAGCATGGACGGAGAGCAAGAAGACTCGATCCATCGGAAGCTACCCCTGCATCAAAGC
CATTAGCCCGAGTGAAGGCTGGACCACAGGAGGCCATGGTCATCATCATCGGGGACAACCTTTTGTGAT
GGTCTCCAAGTGGTGTGGGACTATGCTTGATGGAGCGAGCTAATAACCCCTCATGCCATCAGAGTAC
AGACTCCTCCCGGCACATCCAGGCGTGGTAGAGGTGACATTATCTTATAAATCTAAACAGTTCTGCAA
AGGAGCCCCAGGAAGGTTCAATTAACACAGCATTAAATGAACCCACCATAGACTATGGCTTCCAGAGACTG
CAGAAGGTCATCCCTAGGCATCCTGGAGATCCTGAGAGATTAGCTAAGGAGATGCTGTTGAAAAGAGCTG
CAGATCTAGTGAAGCTCTTATGGCACACCACACAATAACCAGGACATCATTTTGAAGCGAGCCGAGA
CATTGCTGAAGCTCTCTACAGCGTCCCCAGGAATCCCAGCCAGCTCCAGCCCTCTAGCTCCCCAGCG
CACAGTGGCATGATGGGAATCAACTCCTATGGCAGCCAGCTTGGGGTCAGCATCTCAGAGTCAACACAAG
GAAATAATCAAGGGTACATCCGCAACACAAGCAGCATCTCTCCGGGGGATACTTCCAGCTCCAGGCC
TCAACAGTCTAATTACAGTACCTCCAGCAACAGTATGAATGGCTACAGCAATGTCCCATGGCCAACCTTG
GGTGTTCAGGTTCAACAGGATTTCTAAATGGCTCACCCACCGGCTCTCCTTATGGAATCATGTCATCAA
GTCCACCGTGGGTCTTCCAGCACATCCTCCATCCTCCATTTTCTCTTCAAGTTTTCTGCTGTCAA
ACAGAAGAGTGCCTTTGCCCTGTATCAGGCCCAAGGCTCCCCTTACCTGCCTGCTCCAGCGGCAAT
GGAATGGATTGAGCCATGACCGGACTTGTGTACCCCGATGTAA
    
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Restriction Sites: Please inquire

ACCN: NM_022659

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_022659.2 , NP_073150.2
RefSeq Size:	2297 bp
RefSeq ORF:	1728 bp
Locus ID:	64641
UniProt ID:	Q9HAK2
Cytogenetics:	8p21.2
Gene Summary:	The protein encoded by this gene belongs to the COE (Collier/Olf/EBF) family of non-basic, helix-loop-helix transcription factors that have a well conserved DNA binding domain. The COE family proteins play an important role in variety of developmental processes. Studies in mouse suggest that this gene may be involved in the differentiation of osteoblasts. [provided by RefSeq, Oct 2011]