

Product datasheet for SC125641

CEBPE (NM_001805) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CEBPE (NM_001805) Human Untagged Clone
Tag: Tag Free
Symbol: CEBPE
Synonyms: C/EBP-epsilon; c/EBP epsilon; CRP1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001805 edited
GGGCAGGCCAGGTCAGGAGGAGGTAGAGAGAGGGCAGCCGGAGCACCCCAAGGGGTGCC
TCAAGAGCAGGTGGGGCGGGGAGCCAGGGGGCGGGCCGATGTCCCACGGGACCTA
CTACGAGTGTGAGCCCCGGGTGGCCAGCAGCCACTCGAGTTCTCAGGGGCCGAGCTGG
GCCCGGGGAGCTAGGGGACATGTGTGAGCATGAGGCCTCCATTGACCTCTCCGCCTACAT
CGAGTCTGGGAAGAGCAGCTTCTCTCCGATCTCTTTGCCGTGAAGCCAGCGCCTGAGGC
CAGAGGCCTCAAGGGCCCCGGAACCCCTGCCTTCCCCACTACTTGCCGCCTGACCCTCG
GCCCTTTGCCTACCCTCCACATACCTTCGGCCAGACAGGAAGGCGCTGGGGCCTGGCAT
CTACAGCAGCCCAGGGAGCTACGACCCAGGGCTGTGGCGGTGAAGGAGGAGCCCCGGG
GCCAGAGGGCAGCCGAGCTGCCAGCCGAGGCAGCTACAATCCCCTGCAGTACCAAGTGGC
ACACTGTGGGCAGACAGCCATGCACCTGCCCCAACTCTGGCAGCACCCGGCCAGCCTCT
GGCGTTCCTCAAGGCCCTTTGGCCACTGCCGCACCCCTGCAGTCCCCTCCTGAAGGC
GCCCTCCCAGGCTGGCCCTTACACAAGGGCAAGAAGGCAGTGAACAAAGATAGCCTTGA
GTACCGGTGAGGCGGGAGCGCAACAACATCGCCGTGCGCAAGAGCCGAGACAAGGCCAA
GAGGCGCATTCTGGAGACGCAGCAGAAGGTGCTGGAGTACATGGCAGAGAACGAGCGCCT
CCGACCCGCGTGGAGCAGCTCACCCAGGAGCTAGACACCCTCCGCAACCTTTCCGCCA
GATTCCTGAGGCGCCAACCTCATCAAGGGCGTGGGGGTTGCAGCTGAGGCTGGCTGGT
GGATTGGGCACCAAGGCTCCCTGGCACGGCCTAACTCTGCGGACCCCATCCTGCTGGG
GGCCTAGAACCCTGAGACATAGACCATGGATAAATGGCAACCGGGGTGGCAAAGAGGGCA
GGACCCAGCATAATGATTATATGCTGAATAAAGTTGCACTGTGACTGGGAAAAAAAAAA
AA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001805 unedited GAGATCAGATTTTGAATACGACTTACTATAGGGCGAGCCGCGATTCCANATCTGGTACCG GTCCGGAATTCCTCCGGGATGGGCAGGCCAGGTCAGGAGGAGGTAGAGAGAGGGCAGCCGG AGCCCCAAGGGGTGCCTCAAGAGCAGGTGGGGCGGGGAGCCGAGGGGGCGGGCCGGCC ATGTCCCACGGGACCTACTACGAGTGTGAGCCCCGGGTGGCCAGCAGCCACTCGAGTTC TCAGGGGGCCGAGCTGGGCCCGGGGAGCTAGGGGACATGTGTGAGCATGAGGCCTCCATT GACCTCTCCGCTACATCGAGTCTGGGAAGAGCAGCTTCTCTCCGATCTCTTTGCCGTG AAGCCAGCGCCTGAGGCCAGAGGCCTCAAGGGCCCCGGAACCCCTGCCTTCCCCACTAC TTGCCGCCTGACCCTCGGCCCTTTGCCCTACCCTCCACATACCTTCGGCCAGACAGGAAG GCGCTGGGGCCTGGCATCTACAGCAGCCAGGGAGCTACGACCCAGGGCTGTGGCGGTG AAGGAGGAGCCCCGGGGCCAGAGGGCAGCCGAGCTGCCAGCCGAGGCAGCTACAATCCC CTGCAGTACCAAGTGGCACACTGTGGGCAGACAGCCATGCACCTGCCCAACTCTGGCA GCACCCGGCCAGCCTCTGCGCTTCTCAAGGCCCTTTGGCCACTGCCGACCCCCCTGC AGTCCCCTCCTGAAGGCGCCCTCCCGGCTGGCCCTTACACAANGGGCAGAAGGCAGTG AACAAAGATAGCCTTGAGTACCGGGCTGAGCGGGAGCGCAANCACATCGNCGTGCGCCAG AGCCCCGAGACAGGCCAAGAGCGCATTCTGGAGACGCNCANNAAGTCTGGAGTACATGGC ANAGAA
Restriction Sites:	NotI-NotI
ACCN:	NM_001805
Insert Size:	1400 bp
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).
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_001805.2 , NP_001796.2
RefSeq Size:	1250 bp
RefSeq ORF:	846 bp
Locus ID:	1053
UniProt ID:	Q15744
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related protein CEBP-delta. The encoded protein may be essential for terminal differentiation and functional maturation of committed granulocyte progenitor cells. Mutations in this gene have been associated with Specific Granule Deficiency, a rare congenital disorder. Multiple variants of this gene have been described, but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008]