

Product datasheet for **SC316149**

NFE4 (NM_001085386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFE4 (NM_001085386) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFE4
Synonyms:	NF-E4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001085386, the custom clone sequence may differ by one or more nucleotides

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CTGCCTCGTGTTGTCTGTTGGCACACTCTCAAGAGTTTGAACGGATACAAGAATCTTTCATCTGGTGCCG  
AAACCCGGGAGGGGCTCCGGTCTTCGTCCCCGTGGACCTACCCCTCCGCCCCAGAAAGCAGGCCACAGC  
AGCCGGACAAAGGAAGCTCCTCAGCCTCCAGTTGCTTCTCTGTGCATGCACATCAGTCACTGATCTCACC  
TACTGGGGCCCTGCAGGCCATGGGGCCACAGCTCCACACAGAAGCCTCCTAGCAATCCACCTCCACCTGG  
TGCCTGCTTCAAGTGGGCAATGAAGGCCACTGGCCACACAATGCCAAACCCAGGTAAACCCACGAGG  
CCATGCCCCCTCTGCGGAGGACCCCACTGGAAGTTGGACTGTGAGCGGCCCTGCAAGGACCACCCCAT  
CCCTTCTGAGCCAATCAAACCTCCTACTCGGATCTCGTCAGCCTTGCCGCTGAAGACTGATAGTGCCT  
TGGAACAGACACCCCACTACCATCGCTTCATCTGAGCCAAGGGTAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001085386
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).
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.



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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:	<u>NM_001085386.1, NP_001078855.1</u>
RefSeq Size:	967 bp
RefSeq ORF:	540 bp
Locus ID:	58160
Cytogenetics:	7q22.1
Gene Summary:	The erythroid-specific protein encoded by this gene, and the ubiquitous transcription factor CP2, form the stage selector protein (SSP) complex, which is involved in preferential expression of the gamma-globin genes in fetal erythroid cells. Alternate use of an in-frame upstream non-AUG (CUG) translation initiation codon, and a downstream AUG codon, results in two isoforms. While the long isoform (22 kDa) acts as an activator, the short isoform (14 kDa) has been shown to repress gamma-globin gene expression. This gene is located in an intron of the FBXL13 gene on the opposite strand. [provided by RefSeq, Jul 2008]