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Product datasheet for SC203634

Nuclear Factor Erythroid Derived 2 (NFE2) (NM_006163) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Nuclear Factor Erythroid Derived 2 (NFE2) (NM_006163) Human 3' UTR Clone
Symbol:	Nuclear Factor Erythroid Derived 2
Synonyms:	NF-E2; p45
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006163
Insert Size:	293 bp
Insert Sequence:	>SC203634 3'UTR clone of NM_006163 The sequence shown below is from the reference sequence of NM_006163. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGGGGGACCAAGATGGAGGCCACAGACTGAGCTGGCCCAGAGGGGTGGAACTGCTGATGGGATTTCCTT CATTCCCTTCTGATAAAGGTACTCCCCAACCCTGAGTCCCAGAAGGAGCTGAGTTCTCTAGACCAGAAG AGGATGACAATGGCAACAAGTGTTTGGAAGTTCCAAGGTGTGTTCAAAGAGGCTTGCCTTGAGGGAGGG CTGGAATCTGTCTTCCCTGACTCGGCTCCTCAGGTCTTTAGCCTCCACCTTGTCTAAGCTTTGGTCTAT AAAGTGCGCTACAGAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_006163.3

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Summary:	Component of the NF-E2 complex essential for regulating erythroid and megakaryocytic maturation and differentiation. Binds to the hypersensitive site 2 (HS2) of the beta-globin control region (LCR). This subunit (NFE2) recognizes the TCAT/C sequence of the AP-1-like core palindrome present in a number of erythroid and megakaryocytic gene promoters. Requires MAFK or other small MAF proteins for binding to the NF-E2 motif. May play a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron. [UniProtKB/Swiss-Prot Function]
Locus ID:	4778
MW:	11