

Product datasheet for **MG205777**

Nfe2 (NM_008685) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfe2 (NM_008685) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfe2
Synonyms:	NF-E2; NF-E2/P45; p45; p45nf-e2; p45NFE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205777 representing NM_008685 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCCCGTGTCTCTCAGCAGAACAGGAACAGGTTATCACAGCTGCCTGTTGGGGAGCTTGGAGAGATGGAACTGACTTGGCAAGAGATCATGTCCATTACTGAGCTGCAGGGTCTAAATGTTCCAAGTGAGACATCTTTGAGCCTCAAGCACCCACCCATACCTGGGCCACTGCCACCTCCAACATATTGCCCTGTTCATTATCCAGATGCAGGCTTCTCCCTCCCCACCATCTTATGAGCTCCAGCATCTACTCCCATGTCCCAAACTACCATACTCTATGGTAATGTAGCCATACCAGTGTCAAAGCCACTTACCCTTCAGGCCTGCTCAATGAGCCCCCTCCCAGACCACTTAGCTCTCCTGGACATTGGGCTGCCAGTGGGGCAACCAAGCCCCAAGAA GACCCAGAATCTGACTCAGGATTATCCCTCAACTACAGTGATGCAGAATCTCTTGAGCTAGAGGGTATGGAGGCTGGCAGGGAGGAGCGAGTACGCGGACATGTACCCAGTGGAGTATCCTTACTCACTTATGCCCAATCTTTGGCCATCCCAACTATACTCTTCCACCCACTGAGACACCTTGGCCTTAGAGTCATCTCCGGTCCAGTTCGGGCTAAGCCTGTGTCCGTGGGAGGCAGGGAGTCCGGACGAGCGGCGAGCCCTGGCCATGAAGATTCTTTCCCTACGGACAAGATAGTTAACTTGCCGGTAGATGACTTTAATGAGTTGTTGGCACAGTATCCGCTAACGGAGAGCCAGCTGGCTTAGTTCGGGACATCCGTCGACGGGCAAGAACAAGTGGCAGCCAAAAGTGTGCAAGAGAAAACCTGAAAACATTGTGCAGCTGGAGCGAGAGCTGGAGCGGCTGAGCAGTGAAGGGAGCGGCTTCTCAGAGCCCGAGGGGAGGCTGACCCCACTCTGGAGGTCATGCGCCAACAGCTGGCAGAGCTGTACCATGATATTTTCCAGCATCTTCGGGATGAATCTGGCAACAGTTACTACCCAGAGGAATATGTACTGCAACAGGCTGCTGATGGTGCCATCTTTCTGGTACCCCGTGAACCAAAATGGAGGCTACAGAT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Reconstitution Method:

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_008685.3](#), [NP_032711.2](#)

RefSeq Size: 1793 bp

RefSeq ORF: 1122 bp

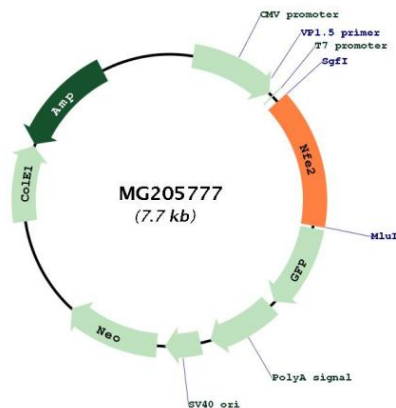
Locus ID: 18022

UniProt ID: [Q07279](#)

Cytogenetics: 15 58.62 cM

Gene 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]

Product images:



Circular map for MG205777