

Product datasheet for **MG205604**

Nfkbie (NM_008690) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfkbie (NM_008690) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfkbie
Synonyms:	I-kappa-B-epsilon; IκB-E; IκB-epsilon; IKBE; NF-kappa-BIE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205604 representing NM_008690 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGATGCGCGGAAGGGGCCGACGAGGCGGATGATAGCCAGTGTACTCTGGCATAGAGTCGCTGC
GCTCTCTACGCTCCCTGCCTGAACCTACTGCGGCCAGGCTCCGGATCATCCAAAGCGGCTGCCACA
GCCTTGGAGACATGCTCCGGAGACCCACAAGGAACCAGAGAAAGAAGATGCGGATGGAGAGCGAGCGGAC
TCCACTTATGCCTCCTCCTCTCACTGAATCCTTCCCCTTACTGGAGAGACCCGAAGCCAAGGATCCAA
GCCCTCCCGCCCAGGATCGCCGCTGCCCCCGGGGGTGTGAGCCCTCAGCAACTCGAGGCGCTCAC
ATACATCTCTGAGGATGGAGACAGCTGCTCCACCTGGCAGTGATTCACGAAGCCCGTCGGTGCTATTC
TGTGCTTGGCTTTCCTGCCCCAGGAAGTCTGGACATTCAGAACAACCTTTACCAGACAGCACTGCATC
TGGCCGTTACCTGGATCAGCCAGATGTTGTCCGGCGCTGGTGTGAAGGGGGCCAGCCGAATTCTGCA
GGATCAGCATGGTGACACGGCCCTGCATGTGGCCTGTCCGGCCAGAATCTGGCCTGCAGCTGTCTGTG
CTGGAGGAGCAGCCAGAGCCAGGACAGCTTCTCATCCCCTGGACCTCAACTGAAGAACTGGCAAG
GTCTGGCCTGTCTCCACATTGCCACATTGCAGAGGAACCAACCGCTCATAGAAGTGTGCTTCAGAAATGG
AGCTGACATTGATGTACAGGAGGACAGAGTGGAAAGACTGCCCTGCACCTGGCTGTGAAACCCAGGAG
CGCAGCCTGGTGCAGTTTCTGCTCCAGCCGGTGCCCGGTAGATGCCCGCATGCTTAACGGGTGCACAC
CTTTACACCTGGCAGCTGGCCGGGCCTCAACAGCATCTCATCCACTCTGTGTGAGGCGCGTGCCGACTC
TCTGCTGCTGAATGTAGAAGATGAGACACCCAGGACCTGGCTGAGGACCTCCTTTCTTATTTGCCCTTC
GATGACCTGAAAATCTCTGGCAAACCACTGCTATGTACTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205604 representing NM_008690
 Red=Cloning site Green=Tags(s)

MSDARKGPDEADDSQCDSGIESLRSLRSLPEPTAAPGSGSSQSGCPQWRHAPETHKEPEKEDADGERAD
 STYASSSLTESFPLLERPEAKDPSPAPGSPPLPAGVLSPOQLEALTYISEDGDTLLHLAVIHEAPSVLF
 CCLAFLPQEVLDIQNNLYQTALHLAVHLDQPDVVRALVLKASRILQDQHGDTALHVACRRQNLACACCL
 LEEQPEPGRQLSHPLDLQLKNWQGLACLHIATLQRNQPLIELLLQNGADIDVQEGTSGKTALHLAVETQE
 RSLVQFLLQAGARVDARMLNGCTPLHLAAGRGLNSISSTLCEAGADSLLLNVEDETPQDLAEDLLSYLPF
 DDLKISGKPLLCTD

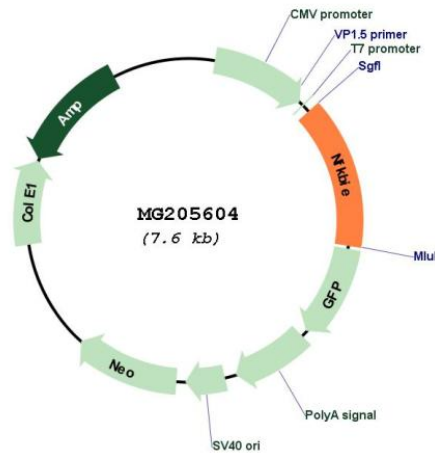
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008690

ORF Size:	1092 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_008690.2
RefSeq Size:	2422 bp
RefSeq ORF:	1095 bp
Locus ID:	18037
UniProt ID:	Q54910
Cytogenetics:	17 B3
Gene Summary:	Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes (By similarity).[UniProtKB/Swiss-Prot Function]