

Product datasheet for **MG211898**

Nfrkb (NM_172766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfrkb (NM_172766) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfrkb
Synonyms:	A530090G11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211898 representing NM_172766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCCTTGGACCACATGCTGACAGATCCCCTTGAACCTTGGTCTTGTGGAGATGGTCACAGTACAG
GAATCATGGAGGACTGCCTTCTGGGTGGTACCAGGGTTAGTCTGCCCGAAGACCTTCTGGAGGATCCCGA
GATATTCTTTGATGTCGTCAGCCTGTCCACATGGCAGGAAGTATTAAGTGACTCTCAGCGTGAGCACCTC
CAGCAGTTCCTGCCTCGGTTTCTGCGGACAGTGTGGAGCAGCAGAGGGAGCTCATCTTGCCTATTCA
GTGGGGAGAAGTCCGCTTCGGAACCCGCTGCACATCGCCAGAAAGCTTCCGAGATGGACACTTTAA
CCCTGAGGTGGTCAAGTATCGTCAGCTCTGCTTCAAGTCACAGTACAAGCGGTATCTCAACTCCCAACAA
CAGTATTTCCACCGGCTGCTGAAACAGATTCTTGCTTCCAGGAGTGATCTCTTGGAGATGGCTCGTAGGA
GTGGCCCTGCTCTTCCCTTCCACACAAGCACCATTACCCGTCGCCAAGCCCCGAGGAGCGGGAGTGGCG
GACCCAGCAGCGTTACTTGAAAGTCTTGAGGGAAGTGAAGGAGGAATGTGGGGACTGCTCTGTCTCT
GATGAGGAGGATCTCAGCTCATGGCTTCCAAGCTCTCCAGCAGTCTCCTAGTCTGCGGTGCCCTGA
GGTGGTGCCACGCTTCCACACGGATGAAAAGTGCAGATAAAATAGAAGTGGGGGACAGTGACCT
GAAGTTAATGTTAAAGAAGCACCATGAGAAGCGGAAACATCAACCAGATCACCCAGACCTTTTGACAGGG
GACCTGACCCCTCAGTGACATCATGACTCGAGTAAATGCCGCGAGGAAGGGCTCCCTAGCAGCCTTGATG
ATTTGGCTGTTCTTAAAAAAGGTGAAGGAAAAGGAGGAGAAGAAAAAGAAAAATAAAGTTGATTAA
GTCCGAAGCAGAGGATCTGGCTGAGCCCTAAGCAGTACTGAAGGGTCCCAACTCTCTCACAGGCCCC
TCTCCCCTGGCAATATCGTCTATCAAGGAGGAACCCCTGGAAGACATCAAGCCTTGCCTTGAATCAATG
AAATATCTCCAGTTTTTCTCTCTTCTGTTAGAGATCTTGCTGCTGAAAGTCAAGGCTAGCCTTCTAT
GCTGGAGGATCGAGTTTGGACTGGCAGTCTTCTCCAGCCAGCTCCCTCAACAGCTGGTTCTCTGCTGCC
CCCAACTGGGCTGAGTTGGTGTGCTGCTGTCAGTATCTTGCTGGAGAAAGCCGAGCGGTTCTTCTA
GTTTCTCTCCATTTGTTGAATCAAAGAGAAAACCCAGCAGTGGAAATTGCTTGGTCAATCTCAAGATAA
TGAAAAGGAATTAGCTGCTCTTCCACCTGTGGCTGAAACCAAGACCAGGCCTTCTGTAAGGAAAAT



[View online >](#)

GAAGACAGCTCAGATGCCATGACACCTGTCCCTCGAGTAAGAAGTACTATGTGGTTCGGCCTAGCACAG
GAGAGGAGAAACGGGTTTTTCAAGAACAGGAGCGTTACAGGTATAGCCAACCCCAATAGGCATTACCTT
TCGCATGCATGGCTTTGAGTCTGTGGTGGGGCCAGTGAAGGGCGTGTGACAAGGAGACCTCCCTCAAC
AAGGCTCGTGAGCATTACTGCTGCGCTCTGACCGGCTGCCTATGTACCATTCTGTCTTTGTTCCGG
ATGCTGCAGCTCGGCTGCCTAATGGAGAAGGCACTCGGGCAGAGATCTGTGAAGTCTCAAGGACTCTCA
GTTTCTGGCTCCAGATGTACCAGCACTCAGGTGAACACAGTGGTGAAGTGGCCACTGGATCGATTGCAT
TATGAGAAAGACCCTTGTGTGAAATATGACATCGGTCCGGAAGTGTGGATCTACCTGCATCGTGACCGGA
GTGAGGAAGAGTTTGAACGGATTCAAGCTCAAGCAGCGGCAGCTAAAGCCAGAAAAGCTCTTCAACA
AAAACCAAGCCGCCATCCAAGGTGAAGTCCAGTAATAAGGAGGGCTCCACGAAGGGCTTAGCGGTCTCT
TCCGAGCAGAGCCAGATGAGCCTCAGTACTAGCATGCCGCCACCCAGTTACGCTGTAACACCCA
CCACGCCAGCATTGCCACCCCATCTCTCCACCCGTGTCAGCGGTGAACAGAAGTGGCTCTAGCAC
GGTCTCTGAGCCAGCCAGTCTAGTTCAGGTGTGCTTCTGGTGTCTCACCGACAATGCCACAGTAGGG
ACGATGCTTTCCCGACTCCATCCAGACTCCACCCAGTCTCAGGCCACTGCTCGGGTTGTCAGCCATT
CCAGCTCAGCAGGACTACCCAGGTTCCGGTGGTAGCCAGCCAGCCTTCTGTGTTTCCAGCAGTC
AGTAGGGCCAGCACAGCCACTACCCAGATGCCAGCAGGACCACAGATTCTGTGCCAGTACTGCTACT
CAAACCAAGTAGTACCCAGGCAGTTATGGCAACAGTCCAGTCAAGGGGCAAAGTGCAGCAGCCCTCTG
TGCAACGGCTGGACCTGGGCAGACAGGGCTCACAGTGACGAATCTTCCGGCTGCAGTACGCCCCGTGAG
CAAGACAGCCATGAGTTCTCTGGGAACCTGCTCCAAGTGCCTCCACCAGCCGTTATTCAGAACGTC
ACAGGACAGAACATCAAGCAGGTGTGATCACTGGACAGCTTGGTGTGAAGCCCAGACAGGCGCA
GCATTCACACTCACAGCCACAACTTCCGTATCCAGGGTAAGGATGTAAGTGCAGCCCTTCTCCAT
CACCACAGATGCCAAGGGCCAGACGGTTTTGAGAATCACTCCAGACATGATGGCCACATTGGCCAAGTCT
CAGGTTACCACAGTCAAAGTACTCAGGACCTCTTGGAGCAGGAAGTGGCACTGCAGGCAAAGGCATCT
CTGCTACCTTGCATGTTACTTCCAACCTGTCCACGCGGCTGACAGCCCTGCCAAGGCCCTTCCAGCCAG
TGTCCCTTCATCAGTCCAGCAGGTACTACTGTGGTCAAAGTAACTCCTGATCTCAAGCCGACAGAACT
GCAAATTCAGCTTTTCGCTTGTATGCCAGCTCTTGGTGTAAAGTGTGGCAGATCAGAAGGAAAGAACACAG
TGGCCTCTTCAGAAGCAAACCTGCCGCCACAATCCGCATCGTGCAGGGGCTGGGAGTGTGCCCCCTAA
AGCAGGCCAGACCATTACTGTTGCAGCACATGCAAAGCAAGGAGCCTCTGTTGCTGGAGGGTCTGGAAGT
GTCCATTCTTCAACGGTGTCTTACCCAGTATAAATGCCGCTGTGTCAAAGACTGTGGCTGTGGCCTCTG
GGGCAACAAGCACCCCATCAGCATCGGGACTGGAGCCCCACCGTGCAGAGGTTCTGTAACTACTAC
AGTTGTGTCCACATCCCAGTCTGGGAACTGCCTACCAGAATCACAGTTCCTCTTCTGTGATTAGCCAG
CCAATGAAGGGCAAGAGCGTGGTACAGCCCCATCATCAAAGGCAACCTTGGAGCCAATCTCAGTGGC
TGGGTTCGCAACATCATCCTCACGACCATGCCAGCAGGTACCAAACCTATTGCTGGCAATAAGCCAGTGAG
TTTCTCACTGCTCAGCAGTTGCAGCAGCTTACGCAACAAGGTACAGGCTACACAGGTGCCATCCAGACC
GTCCCGCATCCCATCTGCAACAGGGCACGGCTTCTGGCTCCTCAAAGCAGTGTCCACTGTTGTTGTGA
CCACAGCTCCATCTCCTAAACAAGCACCTGAGCAGCAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211898 representing NM_172766
 Red=Cloning site Green=Tags(s)

MDSL DHMLTDPLELGPCGDGHSTGIMEDCLLGGTRVSLPEDLLEDPEIFFDVVSLSTWQEVLSDSQREHL
 QQFLPRFPADSV EQRELILALFSGENFRFGNPLHIAQKLF RDGHFNPEVVKYRQLCFKSQYKRYLNSQQ
 QYFHRLKQILASRSDLLEMARRSGPALPFPKHHSRSPRSPEEREWRTQQRYLKVLREVKEECGDTALSS
 DEEDLSSWLPSSPARSPSPAVPLRVVPTLSTTDMKTADKIELGSDCLKMLKHHHEKRKHQPDHPDLLTG
 DLTLSDIMTRVNAGRKGLAALYDLAVLKKVKEKEEKKKKIKLIKSEAEDLAEPLSSTEGVPTLSQAP
 SPLAISSIKEEPLEDIKPLGINEISSFFSLLEILLLESQASLPMELEDRVLDWQSSPASSLNSWFSA
 PNWAEVLVLPALQYLAGE SRAVPSSFPFVEFKEKTQQWKLLGQSQDNEKELAAFLHWLETQDAFCKEN
 EDSSDAMPVPRVRTDYVVRPSTGEEKRVFQE QERYRYSQPHKAFTRMHGFESVVGPKGVFDKETSLN
 KAREHLLRSDRPAYVTILSLVRDAAARLPNGEGTRAEICELLKDSQFLAPDVTSTQVNTVVSGALDRLH
 YEKDPCVKYDIGRKLWIYLRDRSEEEFERIHQAQAAAARKALQQKPKPPSKVKSSNKEGSTKGLSGP
 SEQSQMSLSDSSMPPTPVPVTPPTPALPTPISPPPVSAVNRSGSSTVSEPAQSSSGVLLVSSPTMPQLG
 TMLSPASIQTPPSSQATARVVSHSSSAGLPQVRVVAQPSLPAVSQQSVGPAQPLPQMPAGPQIRVPVTAT
 QTKVVPQAVMATVPVKGQTAAASVQRPGPGQTGLTVTNLPAAVSPVSKTAMSSPGNSAPSASTTAVIQNV
 TGQNIKQV SITGQLGVKPQTGSSIPLTATNFRIQGDVLRPPSSIITDAKGQTVLRITPDMMATLAKS
 QVTTVKLTQDLFGAGSGTAGKGISATLHVTSNPVHAADSPAKAPSASVPSSAPAGTTVVKVTPDLKPTET
 ANSAFRLMPALGVSADQKGN TVASSEAKPAATIRIVQGLGVMPPKAGQITVAHAHQGASVAGGSGT
 VHSSTVSLPSINA AVSKTVAVASGATSTPISIGTGAPT VRQVPVNTT VVSTSQSGKLPRITVPLSVISQ
 PMKGKSVVTAPIIKGNL GANLSGLGRNIILTTMPAGTKLIAGNKPV SFLTAQQLQLQQGQATQVRIQT
 VPASHLQQGTASGSSKAVSTVVVTTAPSPKQAPEQQ

TRTRPLE - GFP Tag - V

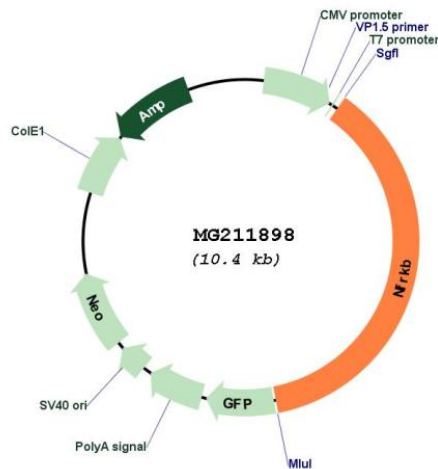
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172766

ORF Size: 3888 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:

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_172766.3](#), [NP_766354.2](#)

RefSeq Size: 5181 bp

RefSeq ORF: 3891 bp

Locus ID: 235134

UniProt ID: [Q6PIJ4](#)

Cytogenetics: 9 A4

Gene Summary: Binds to the DNA consensus sequence 5'-GGGAATCTCC-3'. [UniProtKB/Swiss-Prot Function]