

Product datasheet for **MG215934**

Efhc2 (NM_028916) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Efhc2
Synonyms:	4933407D04Rik; mRib72-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MG215934 representing NM_028916
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTACCGTTTCTGCCTGGCAACAGCTTTAACCGCAATATAGGAAAGGAGAGGTTCCATAAATCTC
AACATTGGGGCTTTTGCAACAATGTCAGGATGCTGGTGAGTGAGAATAAGCCTGGAGTAGGTGGAGATCT
GCTATATGGCCAAAAGATAAAGCCTAAACACAGTGATTTCCCAAAGGAGATGGAACCGATGCACCATCC
TGGGTTGCTTTTGATAAGCAGGTGTATCTTTTGATGCCTATTTGGAAGATGAAATATCTGATAAAAAGAC
AAGAAATCTTTAGATAAAGATACTACAAAATCTATTTCTACCTTGAAGATGACACCATTCAAGTAAATGA
ACCAGAAGTGATAAATAGTGGACTGCCTCAAGGCACTTCTATCAGGCGTCAACGGATTCTTTACCCCCCT
CCCAATGATGATCAGTTTTATACTGTATATGACTTCAATATCAACATAAGTGTTGTCTTCTATGGCGCA
CATTCAAGATTTATGATTGCGATCCATTTACAAAAAATTTTTGAAGAAAATAGGAATCAAATTTGAACCC
TCCAGGACAATGTCCACTCGATCCCTACATGAAGATGCGGAGAGAGACATTAGAGTTTGTGGATCCCTTT
CGTCCCTATCAGTCTTTGACACCCTGAAACGATTTCATCCAGTATGATGGGAAGGTTTTGCGTTTTCTTCT
GCTTGTGGGATGATTCAACCTCACTGTTTGGGGACCGTAGAGAATTTGTCTGCATTACTTCTGTGTGA
TGGTACTGTTGAAATCAGGGAAGTACTGCCATCTAATTCAGGCCGGGATGCTATGTCATCATTCTTTCGG
CGGGTAAGCTTCCAAGTATGGCCACCTGGAATCTACCAACCAGGTGAGTAAACAGATCGAGCAGTTC
TCAATGTGTATGGAGGCTTGTGAGAATGGCGAGCAGATGGCTATCTGCTGGATAAATACCAGCTAGGAAA
AGTAGAGCAAGACTTTTACACAGACCAGGACCTGTCTATAGGTGCCACCATCAATGTATGGGGAAGAAAA
GTCTCTCTGTGACTGTGATGAGTTTACCAAGACCTATTATAGGACAAAGTATGGAGTTGATAACTTTA
CGCCCATTTTCAAGCCTCCTCATCTTCCAAGATAGAAAGGAAATACCCACCTTATACTGGCTTTGG
GTCTGAAGAGGATTCTTTCCGCTCCTGTGTAGGCTGAAGCCACACCTCATCGGAAGAAGTTCAAAAAA
TTCATGGAAGTACAGAGCTTTGAAACATAAGCAATATACTCCGATATTTTGGAAAATAATTACACACA
AATGCGCTGATGTGGACAGGATCTTTGTCATTGCATTTTATCTCAGTGATGACACAATTTTCAAGTGTGGA
GCCTATAGAGAATAATTCAGGGAATGCTGGTGGAAATGTTCTTAAAAAGAAGTCGTGTGAAAAAGCCTGGA
CAAGAAGTTTTTAAAAGTGAATTTTCAGAATACATCAAGGCTGAAGAGCTCTATATTGGAGCCACAGTGA
ATATTAATGGCTACCTGTTTATTCTGCTTAATGCTGATGAGTACACCTTAACTACATGGAGAATAACAC
AGACAAGTTTCCATATAGCAACTTTGAACTTGCCATACAAAACTGAAGCAGGAAAAATCAAATCAAGA
GAGATCACACAAGTATTTGCGGCTGCTGACTATAATCACACGAAGTGGTACCTTACAATACATTGAGAG
ATATCCTGATGAGTATCACCATGGGGAAGCTCATAGACCAGGAGCTTATAACCATTGCACGCCACTACCG
TGTGCCTGAGATTATGGATCCAGACTTAGCATACTTAATGCCCCGGGCCATGAAAAGTTCAAGAAAAAT
ATATTTGAGAATTTGACATGTTTATTATAACTGTGTGTATGAAGACAGAGAAAAAAGGTGATTAC
CCACCAAGACATCAGAAGGATGTGCAAGTCTTCCAGGCTACCTCTGGATGATGACTTTCTAGATTGCTT
ACTGTCCAGGTTTGAAGACAAAGACCATCAAATAAATTATGAGATATTTTTCTCCGTCTGAACTGGAGA
ATGAATCCAACACCGGATTTGCAAGCCCCGCCATACCTTAAAGAGAAATGTGAAGACGTTTGGGTGGAA
TGCCATCACCTATTCCTGTGAAATACGTTAGATACTTAGACTTTTTGATTGATGTATATGGCTTAGAGGA
CAACATGCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

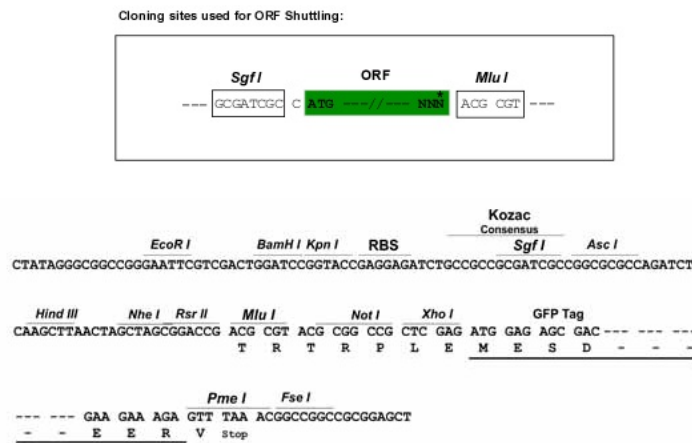
Protein Sequence: >MG215934 representing NM_028916
 Red=Cloning site Green=Tags(s)

MALPFLPGNSFNRNIGKERFHKSQHWGFCNNVRMLVSENKPGVGGDLLYGQKIKPKHSVFPKGDGTDAPS
 WVAFDKQVLSFDAYLEDEISDKRQEIFRIRYKIFYLEDDETIQVNEPEVINSGLPQGTISIRRQIPYPP
 PNDDQFYTVYDFNINISVVFYGRFTKIYDCDPFTKNFLKKIGIKLNPPGQCPLDPYMKMRRETLEFVDPF
 RPYQSFDTLKRFIQYDGVLRFFCLWDDSTSLFGDRREFVLHYFLCDGTVEIREVLPNSNGRDAMSFLR
 RGKLPKYGPPGIYQPGQITDRAVLNVYGLSEWRADGYLLDKYQLGKVEQDFYTDQLSIGATINWGRK
 VLLCDEFTKTYRKYGVNFTPI SCKPPHLPKIERKYPYPTGFGSEEDSFRSCVGLKPTPHRKNFKK
 FMELDSFGNISNILRYFGKLI THKCADVDRIFVIAFYLSDDTISVFEPHENSGNAGGMFLKRSRVKPKG
 QEVFKSEFSEYIKAEEL YIGATVNINGYLFILLNADEYTLNMYENNTDKFPYSNFELAIQKLKQEKSKSR
 EITQVFAAADYNHTKVVPYNTFRDILMSITMGKLIDQELIT IARHYRVPEIMDPDLAYLIARAHEKFKKN
 IFENFDMFIYNCVYEDREKKGVLPTKDIRRMCKSSRLPLDDDFLDCLLSRFEDKDHQINYEIFFSVLNWR
 MNPTDQLQAPPYLKEKCEDVWVGMPSPIPVKYVRYLDFLIDVYGLEDNML

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



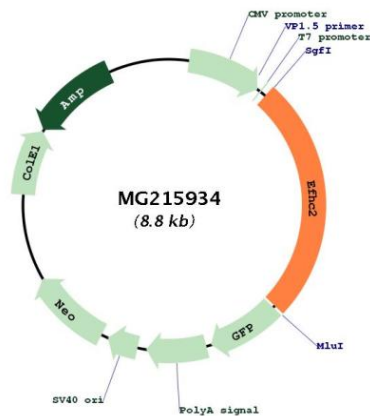
ACCN: NM_028916

ORF Size: 2250 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_028916.5
RefSeq Size:	2570 bp
RefSeq ORF:	2253 bp
Locus ID:	74405
UniProt ID:	Q9D485
Cytogenetics:	X A1.2

Product images:

Circular map for MG215934