

Product datasheet for **MG205795**

Coq8b (NM_133770) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coq8b (NM_133770) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Coq8b
Synonyms:	0610012P18Rik; Adck4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG205795 representing NM_133770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGGAGCTAGGTGCCATGCTGCGCAGGACCTGTGGACCGCTGGGACGGCTGTTCTGCTGCCCT
 GTGGGGGGCCCTAGGACCTAGGCCCACTGGTGGGGCCATGTAGGAGTTGCTTGGCCAAAGTGTTC
 TCAAGACCAGCCTGGAAGAGGCCTCAGTGAAGATGACATTCGACAGGCACGGGAGGCCCGCTCAGGAAG
 GCACCCCGGCCAGCTGAGTGATCGCTCTCGTGAACGCAAGGTGCCTCCCGCATCAGTCGTTGG
 CCAGCTTTGGGGGCTGGCTGTGGGCTTGGGCTGGGAGCGCTGGCTGAGGTGACCAAGAAGTCCTTGGC
 AGGTGGAAGTCTGCAGCATGAGGGCTCTCTGGATTGGGCTCCAGTCCTTCTCTCCGAGGCCAATGCT
 GAGAGGATCGTCAGACCTTATGTACAGTCCGGGGGCTGCCCTCAAGATCGGCCAAATGCTCAGCATCC
 AGGACAACAGCTTATCAGCCCCAGCTTCAGCGAATCTTTGAGAGGGTCCGACAGAGTGCCGACTTAT
 GCCCGCTGGCAAATGATGAGAGTTCTAGAAGAGGAGCTAGGCAAGGACTGGCAAGACAAGTGGCTCC
 CTCGAGGAAGTGCCCTTTGCTGCTGCCTCCATTGGGCAGGTACACCAAGGCTTGCTAAAGGATGGGACTG
 AGGTGGCTGTGAAGATCCAGTACCCAGGTGTTGCCAGAGCATCCAGAGTGACGTGGAGAACCCTGCTGGC
 CCTGCTCAAGATGAGTGTGGCCTGCCAGAGGGCTGTTTGTGAGCAGAGCCTGCAGACCTTGCAGCAG
 GAGCTGGCTTGGGAATGTGACTACCGCAGAGAAGCGGCTGTGCCAGACCTTCAGGAAGCTTTGGCTG
 ACGACCCCTTCTCCGAGTGCCAGCTGTGGTGCAGGAGCTATGCACTACACGGGTGCTGGGCATGGAGCT
 GGCTGGGGGAATCCCTCTAGACCAGTGCCAGGGCTGAGCCAAGACATCCGGAATCAGATCTGCTTTCAG
 CTCTGAGGTTGTCTCGGGAACTGTTTGTGATTGAGTTCAGATTCATGCAGACTGATCCCAACTGGGCAACT
 TCCTGTATGATGCCTCCAGCCACCAGGTGACTCTACTGGATTTTGGTGCAAGCCGGGCTTTGGGACAGA
 GTTCACGGACATTACATTGAGGTGGTGAAGGCTGCAGCAGATGGAGACAGAGATCGAGTCTACAGAAA
 TCCAGGACCTCAAGTTCCTTACAGGCTTTGAAACCAAGGCATTCTCTGACGCCACGTCGAGGCAGTGA
 TGATCCTGGGGAGCCCTTTGCTGCCTCAGGCCCTACGACTTTGGGGCTGGAGAGACTGCTCGCCGAAT
 ACAGGGCCTCATCCCGTATTGCTTCGGCACCGGCTGCGCCACCGCCTGAGGAGACCTATGCTCTACAC
 CGCAAGCTAGCTGGGCTTTCTAGCCTGTGCCGCTCTCCAGCCACATCGCTGCCGGGACCTTTCC
 AAGATACCTACCACCGCTACTGGCCAGTCGCCAGACACTGCCGCTGCCAGCAGCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG205795 representing NM_133770
 Red=Cloning site Green=Tags(s)

MWLELGAMLRRTCGPLGRAVRLPCGGALGPRPHWWGPCRSCLAQSVHQDQPRGLSEDDIRRAREARLRK
 APRPQLSDRSRERKVPASRISRLASFGGLAVGLGLGALAEVTKKSLPGLSLQHEGVSGLGSSPFLSEANA
 ERIVQTLCTVRGAALKIGQMLSIQDNSFISPLQRIFERVRQSADFMPRWQMMRVLEEELGKDWQDKVAS
 LEEVPFAAASIGQVHQGLLDKGTAVAVKIQYPGVAQSIQSDVENLLALLKMSVGLPEGLFAEQSLQTLQ
 ELAWECDYRREAACAQTFRKLADDPPFRVPAVVQELCTTRVLGMELAGGIPLDQCQGLSQDIRNQICFQ
 LLRLCLRELFEFRMQTDPNWANFLYDASSHQVTLDFGASRAFGEFTDHYIEVVKAAADGDRDRVLQK
 SQDLKFLTGFETKAFSDAHVEAVMILGEPFAASGPYDFGAGETARRIQGLIPVLLRHRLRPPPEETYALH
 RKLGAFLACARLHAHIACRDLFDQTYHRYWASRQTLPLPAAS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_133770
ORF Size:	1599 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_133770.2 , NP_598531.2
RefSeq Size:	2190 bp
RefSeq ORF:	1602 bp
Locus ID:	76889
Cytogenetics:	7 A3