

Product datasheet for **MG206348**

Kcnab3 (NM_010599) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnab3 (NM_010599) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kcnab3
Synonyms:	C330022D06Rik; Kcnab4; mKv(beta)4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206348 representing NM_010599 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGTGTCTATCGCGTGTACCGAGCAGAACCCTCGCAGCCGGAGCAGTGAGGACCGTCTCTGTGGAC
CCCGGCCCGTCTGGGGCGGTAATGGAGGGCCAGTGGCGGAGGGCATGGGAACCCTCCGGGGGTGG
AGGACCGAGCTCGAAGTCACGAGCTGCAGTGGTCCCTAGACCCAGCACCTGCTGGGGCCCTTCGAGAG
AGCACCAGCCGAGGCACTGGCATGAAATACAGGAACCTAGGGAAGTCTGGGCTCCGGGTGCTCTGTCTTG
GCCTTGGTACCTGGGTCACGTTTGGCTCTCAGATCTCAGATGAGACAGCAGAAGATCTCCTGACAGTTGC
CTATGAGCACGGGTAAACCTGTTTGACACTGCTGAAAGTGTACGGCGCAGGAAAGGCTGAAAGAACCCTT
GGCAATATTCTCAAGAGCAAAGGCTGGAGGAGATCAAGCTATGTTATCACCACCAAGATTTTTGGGGTG
GACAGGCAGAAACAGAGCGTGGCTTGGTTCGCAACACATCATTGAAGGCTTGAAGGATCCCTGGACCG
CCTCCAGCTGGAATACGTTGATATAGTATTTGCCAATCGTTCAGATCCTAATAGTCTATGGAGGAGATT
GTGAGAGCCATGACCTATGTCATCAACCAGGGCCTGGCCCTATACTGGGGACATCCAGATGGAGTGCTG
CAGAAATCATGGAGGCCACTCCATGGCCAGACAGTTCATCTGATCCCTCCTGTGTGCGAGCAAGCGGA
GAACCACTTCTTCAGAGGGAGAAGGTGGAGATGCAGCTGCCTGAGCTCTACCACAAAATTGGTGTGGC
TCAGTCACTTGGTCCCCCTGGCGTGGCCCTCATTACTAGCAAGTATGATGGCGGAGTCCGGTACTT
GCAAAGCCACTGTCAAGGCTACCAAGTGGCTCAAAGAAAAGTTTCAGAGTGAAGGCAAGCAAGCAACA
AGCCAGAGTGATGGATCTTCTCCAACCTGCTCGCCAGCTAGGCTGCACCGTGGCCCAACTAGCTATAGCC
TGGTGTCTCCGAAGCGAGGGTGTGAGCTGTGTTTACTGGGGTGTCCAGTGCAGAGCAGCTGATGGAAC
ATCTGGGCTCCCTACAGGTGCTGAGTGCAGTGCAGCCGAAACGGTGGTGGAAATAGATGCGCTCTTGGG
GAACAAATCGCATTCCAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206348 representing NM_010599
 Red=Cloning site Green=Tags(s)

MQVSIACTEQNLRSRSEDRLCGPRPGPGGGNGGPVGGGHGPNPPGGGGPSSKSRAAVVPRPPAPAGALRE
 STGRGTGMKYRNLGKSGLRVSLGLGTWVTFGSQISDETAEDLLTVAYEHGVNLFDTAEVYAAGKAERTL
 GNILKSKGWRSSYVITTKIFWGGQAETERLSRKHIIEGLQGLDRLQLEYVDIVFANRSDPNSPMEEI
 VRAMTYVINQGLALYWGTSRWSAAEIMEAYSMARQFNLIIPPVCEQAENHFFQREKVMQLPELYHKIGVG
 SVTWSPLACGLITSKYDGRVPDTCATVKGYQLKEKVQSEEGKKQARVMDLLPTARQLGCTVAQLAIA
 WCLRSEGVSLLGVSSAEQLMEHLGSLQVLSQLTPQTVVEIDALLGNKSHSKK

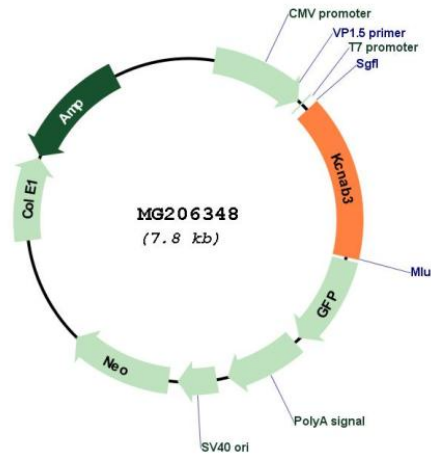
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010599

ORF Size:	1212 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_010599.4
RefSeq Size:	2538 bp
RefSeq ORF:	1215 bp
Locus ID:	16499
Cytogenetics:	11 B3