

Product datasheet for **MG202410**

Katnal2 (BC069977) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Katnal2 (BC069977) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Katnal2
Synonyms: 3110023G01Rik; 4933439B08Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202410 representing BC069977
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTTTCTTACCAGACTCTCAAACACTCACTCACCAGGCGGGGAGGCGTACGAGATGAGAACAGAAG
CACGGCGAAAAATCTTCTCATTCTGATTTTGCATTACTTAACACAAGAAGGCTACATGGATGCAGCTAA
GGCTTTGGAGGAGGAGACCAAACCTGGGATTACGGCGCTTTGAAGTTTGTGACAACGTTGACCTGGAACT
ATTTTGTGGAATATGAGAGCTATTATTTGTAAAGTTCCAGAAGTACCCCAAAGTGTTAAGAAGGCC
CGGACCCAGTGGAAAATAATTTACCGTACGAAGTGGAGGAAGAACAAAAGGCTGACGAATGACAGTTG
TCAAAATCTCCCAAGATATGTCACCAGAAGTACGACCTAAAACCTTACGAGTGAAGACAGGGGACACC
AAATCTGTCAAGGAACACCTTAAACAGGAGAGTGTCACTGACACTCAAGCAGAGAGCACTGACTTCGGCC
TGAACATATCAAAAATCCACAAAGACCAGCCAGAGGAAAAGGCCCAACCACGAAGAGTGAGTGGAGCTCA
GGTCTAGGATGGAAAGGGCACTTGTCTCAAGAAAAGGAAAATAAGCATACAGTTGTTGCCAAACA
GGAAAGCGAAGACAGAAGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202410 representing BC069977
 Red=Cloning site Green=Tags(s)

MELSYQTLKLTHQAREAYEMRTEARRKNLLILILHYLTQEGYMDAAKALEEETKLGRRFEVCDNDVLET
 ILMYESYFFVKFQKYPKVVKKAPDPVENNLPSSGGKKNKRLTNDSCQNLPKICHQKSRPKTSAVKTDGT
 KSVKEHLKQESVTDTQAESTDFGLNISKIHKDQPEEKAQPRRVSGAQGPRMERGTCLKKKENKAYSCCQT
 GKRRQKH

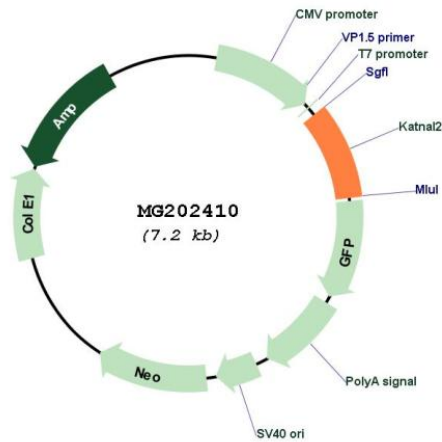
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC069977

ORF Size: 653 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:	BC069977 , AAH69977
RefSeq Size:	1554 bp
RefSeq ORF:	653 bp
Locus ID:	71206
Cytogenetics:	18 E3
Gene Summary:	Severs microtubules in vitro in an ATP-dependent manner. This activity may promote rapid reorganization of cellular microtubule arrays.[UniProtKB/Swiss-Prot Function]