

Product datasheet for **MG202931**

Igk (BC091754) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igk (BC091754) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Igk
Synonyms:	19-23; EG637227; Gm7202; IgK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202931 representing BC091754 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCATCAAGATGGAGACACATTCTCAGGTCTTTGTATACATGTTGCTGTGGTTGTCTGGTATTGAAG
GAGACATTGTGATGACCCAGTCTCACAAATTCATGTCCACATCAATAGGAGACAGGGTCAGCATCACCTG
CAAGGCCAGTCAGGATGTGACTACTGCTGTAGCCTGGTATCAACAGAAACCAGGACAATCTCCTAAAGTA
CTGATTCCTACTGGGCATCCACCCGGCACACTGGAGTCCCTGATCGCTTACAGGCAGTGGATCTGGGACAG
ATTTCACTCTCACCATTAGCAATGTGCAGTCTGAAGACTTGGCAGATTATTTCTGTGCAGCAATATAGCAG
CTATCCTCTCACGTTCCGGCTCGGGGACAAAGTTGGAAATAAAACGGGCTGATGCTGCACCAACTGTATCC
ATCTTCCCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACCTTCT
ACCCAAAGACATCAATGTCAAGTGGAAGATTGATGGCAGTGAACGACAAAATGGCGTCTGAAACAGTTG
GACTGATCAGGACAGCAAAGACAGCACCTACAGCATGAGCAGCACCTCACGTTGACCAAGGACGAGTAT
GAACGACATAACAGTATACCTGTGAGGCCACTCACAAGACATCAACTTCACCCATTGTCAAGAGCTTCA
ACAGGAATGAGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202931 representing BC091754
 Red=Cloning site Green=Tags(s)

MGIKMETHSQVFVYMLLWLSGIEGDIVMTQSHKFMSTSIGDRVSITCKASQDVTTAVAWYQQKPGQSPKV
 LIHWASTRHTGVPDRFTGSGSGTDFLLTISNVQSEDLADYFCQQYSSYPLTFGSGTKLEIKRADAAPTVS
 IFPPSSEQLTSGGASVVCFLNNFYPKDINVKWKIDGSRQNGVLNSWTDQDSKDYSTMSSTLTLTKDEY
 ERHNSYTCEATHKTSTSPIVKSFNREK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC091754

ORF Size: 714 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC091754](#)

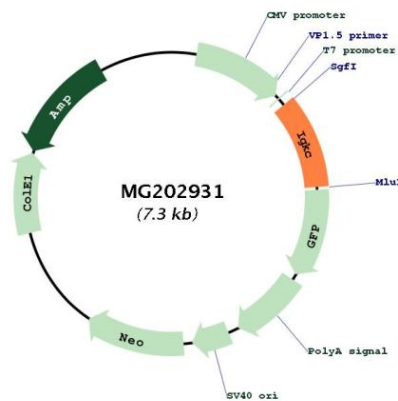
RefSeq Size: 948 bp

RefSeq ORF: 716 bp

Locus ID: 16071

Cytogenetics: 6 32.04 cM

Product images:



Circular map for MG202931