

Product datasheet for **MR202843**

Igk (BC091738) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igk (BC091738) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igk
Synonyms:	EG667683; Gm8760; kk4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202843 representing BC091738 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTTCAAGTGCAGATTTTCAGCTTCCTGCTAATCAGTGCCTCAGTCATAATATCCAGAGGACAAA
TTGTTCTACCCAGTCTCCAGCAATCATGTCTGCATCTCCAGGGGAGAAGGTACCATGACCTGCAGTGC
CAGCTCAGGTGTAAGTTACATGCACTGGTACCAGCAGAAGTCAGGCACCTCCCCAAAAGATGGATTTAT
GACACATCCAACTGGCTTCTGGAGTCCCTGCTCGCTTCAGTGGCAGTGGGTCTGGACCTCTTACTCTC
TCACAATCAGCAGCATGGAGGCTGAAGATGCTGCCACTTATTACTGCCAGCAGTGGACTAGTAACCCGCT
CAGGTTTCGGTGTGGGACCAAGCTGGACCTGAAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCCA
CCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACTTCTACCCCAAAG
ACATCAATGTCAAGTGAAGATTGATGGCAGTGAACGACAAAAATGGCGTCCTGAACAGTTGGACTGATCA
GGACAGCAAAGACAGCACCTACAGCATGAGCAGCACCTCACGTTGACCAAGGACGAGTATGAACGACAT
AACAGCTATACCTGTGAGGCCACTCACAAGACATCAACTTCACCCATTGTCAAGAGCTTCAACAGGAATG
AGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202843 representing BC091738
 Red=Cloning site Green=Tags(s)

MDFQVQIFSLLISASVVISRGQIVLTQSPAIMASAPGEKVTMTCSASSGVSYMHWWYQKSGTSPKRWIY
 DTSKLASGVPARFSGSGSGTSYSLTISSMEAEDAATYYCQWTSNPLTFGAGTKLDLKRADAAPTYSIFP
 PSSEQLTSGGASVVCFLNNFYPKDINVKKIDGSRQNGVLNSWTDQDSKDYMSSTLTLTKDEYERH
 NSYTCEATHKTSTSPIVKSFNREK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC091738

ORF Size: 705 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: BC091738

RefSeq Size: 964 bp

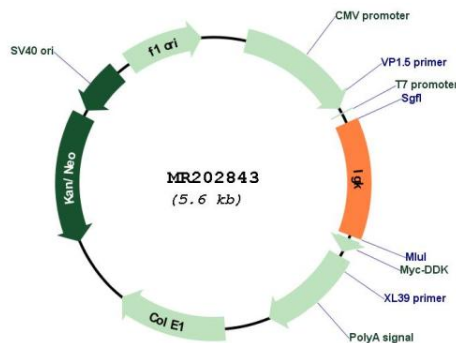
RefSeq ORF: 707 bp

Locus ID: 16071

Cytogenetics: 6 32.04 cM

MW: 35.3 kDa

Product images:



Circular map for MR202843