

Product datasheet for **MG209133**

Chuk (BC018243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chuk (BC018243) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chuk
Synonyms:	IKK1, Chuk1, IKK-1, IKK[a], IKK-alpha, IKKalpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209133 representing BC018243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGCCCCCGGGGCTGCGGCCGGCGGGCGGCCCTGGGAGATGCGGGAACGGCTTGGCACCG
 GCGGTTTCGGGAACGTCACTCTGTACCAGCACCGGAACTTGATCTCAAATAGCAATTAAGTCTTGTCG
 TTTAGAGCTAAGTTCCAAAAACAGAGAGCGATGGTGCCATGAAATCCAGATCATAAAAAGTTGGACCAT
 GCGAATGTTGTAAGGCCTGTGATGTCCCTGAGGAATTGAACTTTTTAATTAACGATGTGCCTCTTCTGG
 CAATGGAGTACTGTTCTGGAGGGGACCTCCGGAAGCTACTCAACAAACCAGAAAATTGTTGTGGACTTAA
 AGAAAGCCAGATACTTTCTTTACTGAGTGACATAGGATCTGGGATCCGATATCTGCATGAAAAAAAATT
 ATACATCGAGATCTAAAACCTGAAAATATAGTTCTTCAAGATGTTGGTGGGAAGACAATACATAAAATAA
 TTGATTTGGGTTATGCCAAGATGTTGATCAAGGAAGTCTCTGTACATCTTTTGTGGGAACATTGCAGTA
 TTTGGCCCAGAGCTCTTTGAAAATAAGCCGTACACAGCCACTGTGGATTATTGGAGCTTTGGGACCATG
 GTTTTGAATGTATTGCTGGATATAGGCCTTTTTTCATCATCTGCAGCCATTTACCTGGCATGAGAAGA
 TTAAGAAGAAAGATCCAAGTGTATTTGTCATGTGAAGAGATGACTGGAGAAGTTCGGTTTAGTAGCCA
 TTTACCTCAGCCAAACAGCCTTTGTAGTTAATAGTAGAGCCAATGGAAGCTGGCTCCAATTGATGCTG
 AATTGGGACCCACAGCAGAGAGGGGGACCTATTGATCTTACTTTGAAGCAGCCAAGATGTTTTGCATTAA
 TGGATCACATTCTCAATTTAAAGATAGTGCACATCCTAAATATGACTTCTGCAAAAATCATTCTTTTCT
 GTTACCATGTGATGAAAGTCTTCATTCACTACAGTCTCGAATTGAGCGTGAACAGGAATAAATACAGGT
 TCTCAGGAGCTTCTGTGAGAGCAGGGATTTCTCTGGATCCTCGAAACCAGCCTCTCAGTGTGTTCTAG
 ATGGAGTTAGAGGCTGTGATAGCTACATGTTTATTGTTTGTAAAAGTAAGACTGTATATGAAGGACC
 ATTTGCATCCAGAAGTTTATCTGATTGTGTAATTTATATTGTACAAGACAGCAAAAATACAAGTCCCAATT
 ATACAGCTGCGGAAAGTATGGGCTGAAGCAGTGCCTACGTATCTGGGCTAAAGGAAGACTACAGCAGGC
 TCTTCCAGGGACAAGAGCAGCAATGTTAAGTCTTCTTAGATATAATGCTAACTTGACAAAAATGAAGAA
 TACTTTGATCTCAGCATCACAGCAACTCAAAGCTAAATGGAGTTTTTTCGAAAAAGCATTACAGTTGAC
 TTGGAGAGATATAGTGAGCAGATGACTTATGGGATATCTTCAGAAAAATGTTAAAGCATGGAAGAAA
 TGAAGAAAAGGCCATTCATCTTCTGAGGTTGGTGTCTTGGTTATCTTGGAGTCAAATATGTCTTT
 GCACACTGAAATCATGGAGCTGCAGAAGAGCCCCTATGGACGACGCCAGGGAGACTTGATGGAGTCTCTG
 GAGCAGCGTGCCATTGATCTCTATAAGCAGCTAAAGCACAGACCTCCTGGTAAGACACTTCAGTCACAGT
 AT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209133 representing BC018243
 Red=Cloning site Green=Tags(s)

MERPPGLRPGAGGPWEMRERLGTGGFGNVSLEYQHRELDLKIATKSCRLELSSKNRERWCHEIQIMKKLDH
 ANVVKACDVPPELNFLINDVPLLAMEYCSGGDLRLLNKPENCCGLKESQILSLLSDIGSGIRYLHENKI
 IHRDLKPENIVLQDVGGKTIHKIIDLGYAKDQVQSLCTSFVGLTQYLAPELFENKPYTATVDYWSFGTM
 VFECIAGYRPFLLHLLQPFTWHEKIKKKDPKIFACEEMTGEVRFSSHLPQPNSLCSLIVEPMESWLQML
 NWDPPQRRGGPIDLTLKQPRCFALMDHILNLKIVHILNMTSAKIIISFLLPCDESLHLSQSRIERETGINTG
 SQELLSETGISLDPKRPASQCVLGDVVRGCDSYMVYLFDKSKTVYEGPFASRSLSDCVNYIVQDSKIQLPI
 IQLRKVWAEAVHYVYVSGLKEDYSRLFQGGRAAML SLLRYNANLTKMKNTLISASQQLKAKLEFFRKSQILD
 LERYSEQMTYGISSEKMLKAWKEMEEKAIHYSEVGVIGYLEDQIMSLHTEIMELQKSPYGRRRQGDLMESL
 EQRAIDLKQLKHRPPGKTLQSQY

TRTRPLE - GFP Tag - V

Restriction Sites:

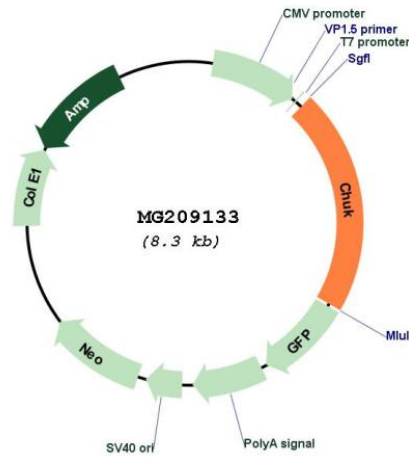
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC018243
 ORF Size: 1754 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:	BC018243 , AAH18243
RefSeq Size:	2056 bp
RefSeq ORF:	1754 bp
Locus ID:	12675
Cytogenetics:	19 36.71 cM