

Product datasheet for **MR226597**

Chuk (NM_001162410) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chuk (NM_001162410) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chuk
Synonyms:	AI256658; Chuk1; Fbx24; Fbxo24; IKBKA; IKK1; Ikka; NFKBKA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226597 representing NM_001162410
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGCCCCCGGGGCTGCGGCCGGGCGGGCGGCCCTGGGAGATGCGGGAACGGCTTGGCACCG
 GCGGTTTCGGGAACGTCACTCTGTACCAGCACCGGAACTTGATCTCAAATAGCAATTAAGTCTTGTCG
 TTTAGAGCTAAGTTCCAAAAACAGAGAGCGATGGTGCCATGAAATCCAGATCATGAAAAAGTTGGACCAT
 GCGAATGTTGTAAGGCCTGTGATGTCCCTGAGGAATTGAACTTTTTAATTAACGATGTGCCTCTTCTGG
 CAATGGAGTACTGTTCTGGAGGGGACCTCCGGAAGCTACTCAACAAACCAGAAAATTGTTGTGGACTTAA
 AGAAAGCCAGATACTTTCTTTACTGAGTGACATAGGATCTGGGATCCGATATCTGCATGAAAAACAAAT
 ATACATCGAGATCTAAACCTGAAAATATAGTTCTTCAAGATGTTGGTGGGAAGACAATACATAAAATAA
 TTGATTTGGGTTATGCCAAGATGTTGATCAAGGAAGTCTCTGTACATCTTTGTGGGAACATTGCAGTA
 TTTGGCCCGAGACTCTTTGAAAATAAGCCGTACACAGCCACTGTGGATTATTGGAGCTTTGGGACCATG
 GTGTTTGAATGTATTGCTGGATATAGGCCTTTTTGCATCATCTGCAGCCATTTACTGGCATGAGAAGA
 TTAAGAAGAAAGATCCAAAGTGTATTTGTCATGTGAAGAGATGACTGGAGAAGTTCCGGTTTAGTAGCCA
 TTTACCTCAGCCAAACAGCCTTTGTAGTTAATAGTAGAGCCAATGGAAGCTGGCTCCAATTGATGCTG
 AATTGGGACCCACAGCAGAGAGGGGGACCTATTGATCTTACTTTGAAGCAGCCAAGATGTTTTGCATTAA
 TGGATCACATTCTCAATTTAAAGATAGTGCACATCCTAAATATGACTTCTGCAAAAATCATTCTTTTCT
 GTTACCATGTGATGAAAGTCTTCATTCACTACAGTCTCGAATTGAGCGTGAACAGGAATAAATACAGGT
 TCTCAGGAGCTTCTGTGAGAGACAGGGATTTCTCTGGATCCTCGGAAACCAGCCTCTCAGTGTGTTCTAG
 ATGGAGTTAGAGGCTGTGATAGCTACATGGTTTTATTTGTTTGTAAAAGTAAGACTGTATATGAAGGACC
 ATTTGCATCCAGAAGTTTATCTGATTGTGTAATTTATATTGTACAAGACAGCAAAATACAACCTGCCAATT
 ATACAGCTGCGGAAAGTATGGGCTGAAGCAGTGCACACTACGTATCTGGGCTAAAGGAAGACTACAGCAGGC
 TCTTCCAGGGACAAGAGCAGCAATGTTAAGTCTTCTTAGATATAATGCTAACTTGACAAAAATGAAGAA
 TACTTTGATCTCAGCATCACAGCAACTCAAAGCTAAATTTGGAGTTTTTTTCGAAAAAGCATTACAGCTTGAC
 TTGGAGAGATATAGTGAGCAGATGACTTATGGGATATCTTCAGAAAAATGTTAAAAGCATGGAAGAAA
 TGAAGAAAAGGCCATTCATCTTCTGAGGTTGGTGTCTTGGTTATCTTGAGGATCAAATTTATGTCTTT
 GCACACTGAAATCATGGAGCTGCAGAAGAGCCCTATGGACGACGCCAGGGAGACTTGATGGAGTCTCTG
 GAGCAGCGTGCCATTGATCTCTATAAGCAGCTAAAGCACAGACCTCCTGATCACTTGTACAGCGACAGCA
 CAGAGATGGTGAAGATCATCGTGACACCGTGCAGAGTCAGGACCGTGTCTCAAGGAGCTGTTTGGTCA
 CCTGAGCAAGTTGTTGGGCTGCAAGCAGAAGATTATTGATCTACTCCCAAGGTGGAAGTGGCCCTCAGT
 AACATCAAAGAAGCTGACAATACTGTATGTTTATGCAGGGAAAGAGGCAGAAAGAAATTTGGCACCTCC
 TTAATAATTGCCTGTACACAGAGTTCTGCCCGCTCTCTTGTAGGATACAGTCTAGAAGGCACAGTAACCCC
 TCCAGTATCAGCATGGCTGCCCCCTACATTAGCAGACCGTGAACATCCTCTGACATGTGTGAGAGACGTT
 AGCACAATGATAGAAGAAAATCTGAACTGTCTTGGCCATTTAAGTACTATTATTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226597 representing NM_001162410
 Red=Cloning site Green=Tags(s)

MERPPGLRPGAGGPWEMRERLTGGFGNVSLYQHRELDLKI AIKSCRLELSSKNRERWCHEIQIMKKLDH
 ANVVKACDVP EELNFLINDVPL LAMEYCSGGDLRKL LNKPENCCGLKESQILSLLSDIGSGIRYLHENKI
 IHRDLKPENIVLQDVGGKTIHKIIDLGYAKDVDQGLSCTSFVGT LQYLAPELFENKPYTATVDYWSFGTM
 VFECIAGYRPFLLHHLQPFTWHEKIKKKDPKCIFACEEMTGEVRFSSHL P QPNLSCLSLIVEPMESWLQML
 NWDPQQRGGPIDLTLKQPRCFALMDHILNLKIVHILNMTSAKII SFLLPCDESLHSLQSRIERETGINTG
 SQELLSETGISLDPK PASQCVL DGVRCDSYMVYLFDKSKTVYEGPFASRSLSDCVNYIVQDSKIQLPI
 IQLRKVWAEAVHYV SGLKEDYSRLFQGGRAAML SLLRYNANLTKMKNTLISASQQLKAKLEFFR KSIQLD
 LERYSEQMTYGISSEKMLKAWKEMEKA IHYSEVGVIGYLEDQIMSLHTEIMELQKSPYGRRQGDLMESL
 EQRAIDLKYLKHRPPDHL YSDSTEMVKIIVHTVQSQDRVLKELFGHL SKLLGCKQKIIDLLPKVEVALS
 NIKEADNTVMFMQGRQKEIWHLLKIACTQSSARSLVGYSLEGT VTPPVSAWLPPTLADREHPLTCVRDV
 STNDRRKSELSWPFKYYYY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001162410

ORF Size: 2157 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.

RefSeq: [NM_001162410.1](#), [NP_001155882.1](#)

RefSeq Size: 3483 bp

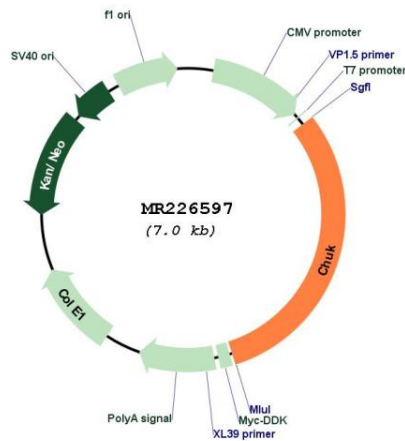
RefSeq ORF: 2160 bp

Locus ID: 12675

Cytogenetics: 19 36.71 cM

MW: 82.7 kDa

Product images:



Circular map for MR226597