

## Product datasheet for **MG226597**

### Chuk (NM\_001162410) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chuk (NM_001162410) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chuk
Synonyms:	AI256658; Chuk1; Fbx24; Fbxo24; IKBKA; IKK1; Ikka; NFKBKA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG226597 representing NM\_001162410  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCGGCCCCCGGGGCTGCGGCCGGCGGGCGGCCCTGGGAGATGCGGGAACGGCTTGGCACCG  
 GCGGTTTCGGGAACGTCACTCTGTACCAGCACCGGAACTTGATCTCAAATAGCAATTAAGTCTTGTCG  
 TTTAGAGCTAAGTTCCAAAAACAGAGAGCGATGGTGCCATGAAATCCAGATCATGAAAAAGTTGGACCAT  
 GCGAATGTTGTAAGGCCTGTGATGTCCCTGAGGAATTGAACTTTTTAATTAACGATGTGCCTCTTCTGG  
 CAATGGAGTACTGTTCTGGAGGGGACCTCCGGAAGCTACTCAACAAACCAGAAAATTGTTGTGGACTTAA  
 AGAAAGCCAGATACTTTCTTTACTGAGTGACATAGGATCTGGGATCCGATATCTGCATGAAAAAAAATT  
 ATACATCGAGATCTAAAACCTGAAAATATAGTTCTTCAAGATGTTGGTGGGAAGACAATACATAAAATAA  
 TTGATTTGGGTTATGCCAAGATGTTGATCAAGGAAGTCTCTGTACATCTTTTGTGGGAACATTGCAGTA  
 TTTGGCCCGAGACTCTTTGAAAATAAGCCGTACACAGCCACTGTGGATTATTGGAGCTTTGGGACCATG  
 GTGTTTGAATGTATTGCTGGATATAGGCCTTTTTGCATCATCTGCAGCCATTTACTGGCATGAGAAGA  
 TTAAGAAGAAAGATCCAAGTGTATATTTGCATGTGAAGAGATGACTGGAGAAGTTCCGGTTTAGTAGCCA  
 TTTACCTCAGCCAAACAGCCTTTGTAGTTAATAGTAGAGCCAATGGAAGCTGGCTCCAATTGATGCTG  
 AATTGGGACCCACAGCAGAGAGGGGGACCTATTGATCTTACTTTGAAGCAGCCAAGATGTTTTGCATTAA  
 TGGATCACATTCTCAATTTAAAGATAGTGCACATCCTAAATATGACTTCTGCAAAAATCATTCTTTTCT  
 GTTACCATGTGATGAAAGTCTTCATTCACTACAGTCTCGAATTGAGCGTGAACAGGAATAAATACAGGT  
 TCTCAGGAGCTTCTGTGAGAGACAGGGATTTCTCTGGATCCTCGGAAACCAGCCTCTCAGTGTGTCTAG  
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 TACTTTGATCTCAGCATCACAGCAACTCAAAGCTAAATTTGGAGTTTTTTTCGAAAAAGCATTACAGCTTGAC  
 TTGGAGAGATATAGTGAAGCAGATGACTTATGGGATATCTTTCAGAAAAATGTTAAAAGCATGGAAGAAA  
 TGGAAGAAAAGGCCATTCATCTTCTGAGGTTGGTGTCTTGGTTATCTTGAGGATCAAATTTATGTCTTT  
 GCACACTGAAATCATGGAGCTGCAGAAGAGCCCTATGGACGACGCCAGGGAGACTTGATGGAGTCTCTG  
 GAGCAGCGTGCCATTGATCTCTATAAGCAGCTAAAGCACAGACCTCCTGATCACTTGTACAGCGACAGCA  
 CAGAGATGGTGAAGATCATCGTGACACCGTGCAGAGTCAAGACCGTGTCTCAAGGAGCTGTTTGGTCA  
 CCTGAGCAAGTTGTTGGGCTGCAAGCAGAAGATTATTGATCTACTCCCAAGGTGGAAGTGGCCCTCAGT  
 AACATCAAAGAAGCTGACAATACTGTATGTTTATGCAGGGAAAGAGGCAGAAAGAAATTTGGCACCTCC  
 TAAAAATTGCCTGTACACAGAGTTCTGCCCGCTCTCTTGTAGGATACAGTCTAGAAGGCACAGTAACCCC  
 TCCAGTATCAGCATGGCTGCCCCCTACATTAGCAGACCGTGAACATCCTCTGACATGTGTGAGAGACGTT  
 AGCACAATGATAGAAGAAAATCTGAACGTCTTGGCCATTTAAGTACTATTATTCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG226597 representing NM\_001162410  
 Red=Cloning site Green=Tags(s)

```
MERPPGLRPGAGGPWEMRERLTGGFGNVSLYQHRELDLKI AIKSCRLELSSKNRERWCHEIQIMKKLDH
ANVVKACDVP EELNFLINDVPL LAMEYCSGGDLRKL LNKPENCCGLKESQILSLLSDIGSGIRYLHENKI
IHRDLKPENIVLQDVGGKTIHKIIDLGYAKDVDQGS LCTSFVGT LQYLAPELFENKPYTATVDYWSFGTM
VFECIAGYRPF LHLHPFTWHEKIKKKDKPCIFACE EMTGEVRFSSHL P QPNSLCSLIVEPME SWLQML
NWDPQQRGGPIDLTLKQPRCFALMDHILNLKIVHIL NMTSAKII SFLLPCDESLHSLQSR IERETGINTG
SQELLSETGISL DPKPASQCVLDGVRGCD SYMVYLFDKSKT VYEGPFASRSLSDCVNYIVQDSKIQLPI
IQLRKVWAEAVHYV SGLKEDYSRLFQGGQRAAML SLLRYNANLTKMKNTLISASQQLKAKLEFFR KSIQLD
LERYSEQMTYGISSEKMLKAWKEME EKA IHYSEVGVIGYLEDQIMSLHTEIMELQKSPYGRRQGDLMESL
EQRAIDLKYLKHRPPDHL YSDSTEMVKIIVHTVQS QDRVLKELFGHL SKLLGCKQKIIDLLPKVEVALS
NIKEADNTVMFMQGRQKEIWHLLK IACTQSSARSLV GYSLEGTVTPPVSAWLPPTLADREHPLTCVRDV
STNDRRKSELSWPFKYYYY
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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](#)

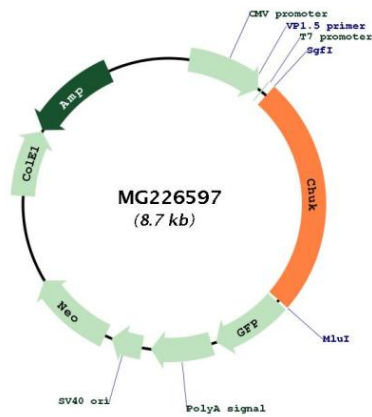
**RefSeq Size:** 3483 bp

**RefSeq ORF:** 2160 bp

**Locus ID:** 12675

**Cytogenetics:** 19 36.71 cM

**Product images:**



Circular map for MG226597