

Product datasheet for MC215708

Chka (NM_013490) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chka (NM_013490) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chka
Synonyms:	Chetk-alpha; Chk; ChoK; CK; CK/EK-alpha; EK; EtnK-alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215708 representing NM_013490 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAACCAAGTTCTGCACCGGGGGCGAGGCCGAGCCGTGCGCTCTCGGGCTGCTGCTGAGCTGCGGTG
GCAACGCTGCCCGACGCCCGCGTAGGGCAGCAGCGGGACGCCGAGCGGAGCTGGAGTCCAAGCAGCT
TGGTGGCCGAACCAACCTCTCGCGCTGCCGCCCGCCGCCGCCCGCCCTGCCGCTGCCCGCCGCCCA
TCACCGCCGCTAGCGGACGAACAACCCGAGCCCGGACCAGGCGCAGGGCCTACCTGTGGTGAAGGAAT
TCCTGCCCGGAGCCTGGCGAGGCCTTCGCGAGGACCAGTTCACATCAGTGTATCAGGGGTGGTCTCAG
TAACATGCTGTTCCAGTGTCTCCCTGCCAGACTCCATAGCCAGCGTTGGCGATGAGCCTCGGAAAGTGCTC
TTGCGGCTCTATGGGGCAATCTTAAAGATGGGGGCTGAGGCGATGGTTCTGGAGAGTGTATGTTTGCCA
TTCTTGACAGAGAGTCACTTGGGCCAAAACCTTTTGGCATCTTTCCCAAGGCCGACTGGAGCAGTTTAT
CCCGAGCCGGCGATTGGACACTGAAGAGTTACGTTTACCAGATATTTCTGCAGAAATAGCTGAGAAAAATG
GCCACATTTATGGTATGAAAATGCCATTCAATAAGGAACCAAAATGGCTTTTGGAAACAATGAAAAAT
ACCTGAATCAAGTACTAAGACTCAAATTCAGCAGGGAGGCCAGAGTTTCACTGCAACTGCACAAGATCCTCTC
TTACAACCTGCCTCTTGGAGCTCGAGAACCCTGAGGTCATTGCTGAGTATACTAGATCTCCAGTTGTATTT
TGTCATAATGACTGTCAAGAAGTAATATCTTATTGTTGGAAGGCCAGGAGAAGTCTGAAAGGCCGAAGC
TGATGCTTATTGACTTTGAGTACAGCAGTTACAATTACAGGGGATTTGACATTGGAATCATTTCTGTGA
ATGGATGTATGATTATACCTATGAGAAGTATCCTTTCTCAGAGCGAACATTCAGAAGTATCCTTCCCGA
AAACAACAGCTCCATTTTATTTCCAGTTACTTACTGACTACATTCCAAAATGATTTTGAAGCCTCAGTAGT
AAGAGCAGTTTGTACAAAAGAAGACATGTTGCTTGAAGTCAACAGATTTGCTCTGCCTCTCATTTCT
CTGGGGACTTTGGTCCATTGTACAGGCCAAGATCTCATCCATTGAATTTGGGTACATGGAATATGCCCAA
GCCAGATTCGAGGCTACTTTGACCAGAAGAGGAAGCTTGGGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013490
Insert Size:	1308 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_013490.4</u> , <u>NP_038518.2</u>
RefSeq Size:	2573 bp
RefSeq ORF:	1308 bp
Locus ID:	12660
UniProt ID:	<u>O54804</u>
Cytogenetics:	19 3.57 cM
Gene Summary:	<p>Has a key role in phospholipid biosynthesis and may contribute to tumor cell growth. Catalyzes the first step in phosphatidylcholine biosynthesis. Contributes to phosphatidylethanolamine biosynthesis. Phosphorylates choline and ethanolamine. Has higher activity with choline (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>