

Product datasheet for **SC308440**

CMPK2 (NM_207315) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMPK2 (NM_207315) Human Untagged Clone
Tag:	Tag Free
Symbol:	CMPK2
Synonyms:	NDK; TMPK2; TYKj; UMP-CMPK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_207315 edited
 CCATGGCCTTCGCCCGCCGGCTCCTGCGCGGGCCACTGTGCGGGCCGCTGCTCGGGCGGC
 GCGGGGTCTGCGCTGGGGCCATGGCTCCGCCGCGCCGCTTCGTCTGGAGCTTCCCGACT
 GCACCTGGTCACTTCGCCCTAGGCGCCGACGCCCCGGCGACGACGACGCCCCGACC
 CCCGCCTGGCGCGCTGCTGGGGCCCCGGAGCGCAGTACTCGTGTGCGTGCCCGTGA
 CCCCAGCGCCGGCTGCGGGGCCCGGTCCGGGCGCGCGGTGCACCAGCGCTGCTGC
 ACCAGTGCGCCCGCCCTCCAGCGGTGCCAGTGTCCAGGCTGCTGCTACTGCTG
 CGGGCGGCCAGGCGCGCGCACAGCAAGGCTTCCTGCTGCGGACCCCTGGATGACC
 CTGACACCCGGCAAGCGCTGCTCGAGTGTGGGCGCCTGCCAGGAGGCCACGCCCCG
 ACTTGGGCGAGTTCGAGGCCGACCCGCGCGCCAGCTGTGGCAGCGCCTCTGGGAGTGC
 AAGACGGCAGGCGGTGCAGGTGGGCTGCGCACAGGTCGTGCCCGTCCCGGAGCCCCGC
 TGCACCCGGTGGTCCAGACTTGCCAGTTCCTGGTCTTCCCGACCGGAAGCCGCC
 GGGCGTTTTGGAGGAGTACCTCTTATTCTGAAGCCGGGAGTGTGACCTGG
 TCGACCAAGTGCACAAACAGATCCAGAAAGAAAGTTCAGGTTGTTGCCATCGAAGGAC
 TGGATGCCACGGTAAAACCACGGTGACCCAGTCAAGTGGCAGATTCACTTAAGGCTGTC
 TCTTAAAGTACCACCCCTTGGCATTGGCAGTGGAGGAAGATCTTTGATGATGAACAA
 CTATCATTAGAAGAGCTTTTACTCTTTGGCAATTATATTGTGGCTCCGAAATAGCTA
 AAGAATCTGCCAAATCTCCTGTGATTGTAGACAGTACTGGCACAGCACGGCCACCTATG
 CCATAGCCACTGAGGTGAGTGGGGTCTCCAGCACCTGCCCCAGCCATCACCTGTGT
 ACCAGTGGCCAGAGGACTGCTCAAACCTGACCTATCCTGTGCTCACTGTGAGTCTG
 AGGAGAGTTCAGAGGCTGCAGGGCCGGGCATGGAGAAGACCAGGGAAGAAGCAGAAC
 TTGAGGCCAACAGTGTGTTTCGTCAAAAGGTAGAAATGTCCTACCAGCGGATGGAGAATC
 TGGCTGCCATGTGTTGATGCCAGCCCTCCAGAGAAAAGGTCCTGCAGACGGTATTA
 GCCTAATCCAGAATAGTTTTAGTGAACCGTAGTTACTCTGGCCAGGTGCCACGTAACT
 AGATTAGATGTTGTTGAAACATCTACATCCACATTTGTTATGCAAGTGTCCCAAATTT
 CTGTTCTACAAGCATGTTGTGGCAGAAAAGTGGAGACCAGGCATCTTAATTTTACTTC
 AGCCATCGTACCCTCTTCTGACTGATGGACCCGTCATCACAAGGTCCTCTCATCATGT
 TCCAGTGAGAGGCCAGCGATTGCTTTCTTCTGGCATAGTAAACATTTTCTTGAACATA
 TGTTTTCACTTAATCACTACCAAATATCTGGAAGACCTGTCTTACTCAGACAGCACCAGT
 GTACAGAAGCAGCAGACAAGATCTTCCAGATCAGCAGGGAGACCCGGAGCCTCTGCTTC
 TCCTACACTGGCATGCTGATGAGATCGTGACATGCCACATTGGCTTCTCCACATCTGG
 TTGCACTCGTCATGATGGCTCGCTGCATCTCCCTCAGTCCCAAATCTAGAGCCAAGTG
 TTCTGCAGAGGCTGTCTATGTGCTGCTGCGCAAGGACACTCCTGCAGAGCCATTTT
 TGGGTAAGGAACACTTACAAAGAAGGCATTGATCTTGTGCTGAGGCTCAGAGCCTTTT
 GATAGGCTTCTGAGTCATATATAAGACATTCAAGCCAAGATGCTCCAATGCAATATA
 CCAACCTTCTCTGAATATATTTTGCTTATTTATTTCTTTTCTTTTTTCTAAAGTAT
 GGCTCTGAATAGAATGCACATTTCCATTGAACTGGATGCATTTTCAATTTAGCCAATCCAG
 TAATTTATTTATTAATCTATACATAATATGTTTCTCAGCATAGGAGCTATGATTCAT
 TAATTAAGTGGAGTCAAACGCTAAATGCAATGTTTGTGTAATTTTATTACACAA
 ACTTAATTTGTCTTGTAAATAAGTACAGTGGATCTGGAGTGGGATTTCTTGGTAAATT
 ATCTTGCACTTGAATGTCTCATGATTACATATGAAATCGCTTTGACATATCTTTAGACAG
 AAAAAAGTAGCTGAGTGAGGGGAAATATAGAGCTGTGTGACTTTAGGGAGTAGGTTGA
 ACCAGGTGATTACCTAAAATTCCTTCCAGTTCAAAGGCAGATAAATCTGTAATTTATTT
 ATCCTATCTACCATTTCTAAGAAGACATTACTCCAAAATAATTAATTTAAGGCTTTAT
 CAGGTCTGCATATAGAATCTTAAATCTAATAAAGTTTCATGTTAATGTCATAGGATTTT
 TAAAAGAGCTATAGGTAATTTCTGTATAATATGTGTATATTAATGTAATTTGATTTTCA
 TTGAAAGTATTTAAGCTGATAAATAGCATTAGGTTCTTTGCAATGTGGTATCTAGCT
 GTATTATTGGTTTTATTTACTTTAAACATTTTGAAGCTTATACTGGCAGCCTAGAAAA
 ACAAACAATTAATGTATCTTTATGTCCCTGGCAGATGAATAAACTTTGCTGTGGTTTACT
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_207315
Insert Size:	2900 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_207315.1.
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_207315.1</u> , <u>NP_997198.1</u>
RefSeq Size:	1609 bp
RefSeq ORF:	912 bp
Locus ID:	129607
UniProt ID:	<u>Q5EBM0</u>
Cytogenetics:	2p25.2
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
Gene Summary:	<p>This gene encodes one of the enzymes in the nucleotide synthesis salvage pathway that may participate in terminal differentiation of monocytic cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (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>