

## Product datasheet for **SC332393**

### **CMPK2 (NM\_001256477) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CMPK2 (NM\_001256477) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CMPK2  
**Synonyms:** NDK; TMPK2; TYKj; UMP-CMPK2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332393 representing NM\_001256477.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCTTCGCCCGCGGCTCCTGCGCGGGCCACTGTCGGGGCCGCTGCTCGGGCGGCGGGGTCTGCC
GCTGGGGCCATGGCTCCGCCCGCGCGCTTCGTCTGGAGCTTCCCGACTGCACCTGGCTCACTTCGCC
CTAGGCGCCGACGCCCCGGCGACGCAGACGCCCCGACCCCCGCTGGCGGCGCTGCTGGGGCCCCCG
GAGCGCAGCTACTCGCTGTGCGTGCCCGTGACCCCGACCGGCTGCGGGGCCGGGTCCGGGCGGCG
CGGCTGCACCAGCGCTGCTGCACCAGCTGCGCCGCGGCCCTTCCAGCGGTGCCAGCTGCTCAGGCTG
CTCTGCTACTGCCGGGGCGCCAGGCCGCGGCGCACAGCAAGGCTTCTGCTGCGGACCCCTGGAT
GACCCTGACACCCGGAAGCGCTGCTCGAGCTGCTGGGCCTGTGAGGAGCACCACGCCCGCACTTG
GGCAGTTCGAGGCCGACCCGCGCGGCCAGCTGTGGCAGCGCCTCTGGGAGGTGCAAGACGGCAGGCGG
CTGCAGGTGGGCTGCGCACAGGTGCTGCCCGTCCCGGAGCCCCGCTGCACCCGGTGGTCCAGACTTG
CCCAGTTCGGTGTCTCCCGGACCGGGAAGCCGCCCCGGGCCGTTTTGGAGGAGTGTACCTCCTTTATT
CCTGAAGCCCGGGCAGTGCTTGACCTGGTGCACAGTGCCCAAACAGATCCAGAAAGGAAAGTTCAG
GTTGTTGCCATCGAAGGACTGGATGCCACGGTAAAACCAGGTGACCCAGTCAGTGGCAGATCACTT
AAGGCTGTCTCTTAAAGTCACCACCCTTTCGATTGGCCAGTGGAGGAAGATCTTTGATGATGAACCA
ACTATCATTAGAAGAGCTTTTACTCTTTGGGCAATTATATTGTGGCCTCCGAAATAGCTAAAGAATCT
GCCAAATCTCCTGTGATTGTAGACAGTACTGGCACAGCACGGCCACCTATGCCATAGCCACTGAGGTG
AGTGGGGTCTCCAGCACCTGCCCCAGCCATACCCTGTGTACCAGTGCCAGAGGACCTGCTCAAA
CCTGACCTTATCCTGCTGCTCACTGTGAGTCTGAGGAGAGGTTGCAGAGGCTGCAGGGCCGGGCATG
GAGAAGACCAGGGAAGAAGCAGAAGTCTGAGGCCAACAGTGTGTTTCGTCAAAAGTAG
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001256477  
**Insert Size:** 1230 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001256477.1</u>
<b>RefSeq Size:</b>	2176 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	129607
<b>UniProt ID:</b>	<u>Q5EBM0</u>
<b>Cytogenetics:</b>	2p25.2
<b>Protein Pathways:</b>	Metabolic pathways, Pyrimidine metabolism
<b>MW:</b>	45 kDa
<b>Gene Summary:</b>	<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 (2) differs in the 3' UTR and coding region compared to variant 1. The resulting protein (isoform 2) has a shorter C-terminus compared to isoform 1.</p> <p>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>