

Product datasheet for **SC332394**

CMPK2 (NM_001256478) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMPK2 (NM_001256478) Human Untagged Clone
Tag: Tag Free
Symbol: CMPK2
Synonyms: NDK; TMPK2; TYKj; UMP-CMPK2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332394 representing NM_001256478.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCTTCGCCCGCGGCTCCTGCGCGGGCCACTGTCGGGGCCGCTGCTCGGGCGGCGGGGTCTGC
GCTGGGGCCATGGCTCCGCCCGCGCGCTTCGTCTGGAGCTTCCCGACTGCACCCCTGGCTCACTTCGCC
CTAGGCGCCGACGCCCCGGCGACGCAGACGCCCCGACCCCGCCTGGCGGCGCTGCTGGGGCCCCCG
GAGCGCAGCTACTCGCTGTGCGTGCCCGTGACCCCGACCGGCTGCGGGGCCGGGTCCGGCGGGCG
CGGCTGCACCAGCGCTGCTGCACCAGCTGCGCCGCGGCCCTTCCAGCGGTGCCAGCTGCTCAGGCTG
CTCTGCTACTGCCGGGGCGCCAGGCCGCGGGCGCACAGCAAGGCTTCTGCTGCGGACCCCTGGAT
GACCCTGACACCCGCAAGCGCTGCTCGAGCTGCTGGGCCCTGTGAGGAGCACCACGCCCGCACTTG
GGCAGATTTCGAGGCCGACCCGCGCGGCCAGCTGTGGCAGCGCCTCTGGGAGGTGCAAGACGGCAGGCGG
CTGCAGGTGGGCTGCGCACAGGTGCTGCCCGTCCCGGAGCCCCGCTGCACCCGGTGGTCCAGACTTG
CCCAGTTCCGTGGTCTTCCCGGACCGGGAAGCCCGCGGGCCGTTTTGGAGGAGTGTACCTCTTTATT
CCTGAAGCCCGGGCAGTGCTTGACCTGGTGCACAGTGCCAAAACAGATCCAGAAAGGAAAGTTCCAG
GTTGTTGCCATCGAAGGACTGGATGCCACGGTAAAACCACGGTGACCCAGTCAGTGGCAGATCACTT
AAGGCTGTCTCTTAAAGTCACCACCCTTTGCAATTGGCCAGTGGAGGAAGATCTTTGATGATGAACCA
ACTATCATTAGAAGAGCTTTTACTCTTTGGCAATTATATTGTGGCCTCCGAAATAGCTAAAGAATCT
GCCAAATCTCTGTGATTGTAGACAGTCCCAGCTGGGAGGAACCTTATACCATCCTTCTCTCCACCTG
CTCGGCAGTGAAGTTTGTGGACTGGAATCTTGATTATCACACTCGAGTCAAGGCCTGGAATGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256478
Insert Size: 1101 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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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:	NM_001256478.1
RefSeq Size:	1241 bp
RefSeq ORF:	1101 bp
Locus ID:	129607
UniProt ID:	Q5EBM0
Cytogenetics:	2p25.2
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
MW:	39.6 kDa
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 (3) lacks two exons in the 3' coding region, and differs in the 3' UTR and coding region compared to variant 1. The resulting protein (isoform 3) has a shorter C-terminus compared to isoform 1.</p>