

Product datasheet for SC317733

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317733 representing NM_207315. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTTCGCCCGCGGCTCCTGCGCGGGCCACTGTGGGGCCGCTGCTCGGGCGCGCGGGTCTGC
GCTGGGGCCATGGCTCCGCCCGCGCGCTTCGTCTGGAGCTTCCCGACTGCACCTGGCTCACTTCGCC
CTAGGCGCCGACGCCCCGGCGACGACGACGCCCCGACCCCGCTGGCGGCGTGTGGGGCCCCCG
GAGCGCAGCTACTCGCTGTGCGTGCCCGTACCCCGACCGCGGCTGGGGCCCCGGTCCGGCGCGC
CGGCTGCACCAGCGCTGCTGCACCAGCTGCGCCGCGGCCCTTCCAGCGGTGCCAGCTGCTCAGGCTG
CTCTGCTACTGCCGGGGCGCCAGGCCGGCGGCGCACAGCAAGGCTTCTGCTGCGGACCCCTGGAT
GACCTGACACCCGGAAGCGCTGCTCGAGCTGCTGGGCCCTGTGAGGAGCACCACGCCCGCACTTG
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CTGCAGGTGGGCTGCGCACAGGTGCTGCCCGTCCCGGAGCCCCGCTGCACCCGGTGGTCCAGACTTG
CCCAGTTCCTGGTCTTCCCGGACCGGGAAGCCCGCGGCCGTTTTGGAGGAGTGTACCTCTTTATT
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GCCAAATCTCCTGTGATTGTAGACAGTACTGGCACAGCACGGCCACTATGCCATAGCCACTGAGGTG
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CCTGACCTTATCCTGCTGCTCACTGTGAGTCTGAGGAGAGGTTGCAGAGGCTGCAGGGCCGGGCATG
GAGAAGACCAGGGAAGAAGCAGAAGTTCAGGCAACAGTGTGTTTCGTCAAAAGGTAGAAATGCTCTAC
CAGCGGATGGAGAATCCTGGCTGCCATGTGTTGATGCCAGCCCTCCAGAGAAAAGTCTGCAGAGC
GTATTAAGCCTAATCCAGAATAGTTTTAGTGAACCGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_207315
Insert Size:	1350 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_207315.3</u>
RefSeq Size:	3014 bp
RefSeq ORF:	1350 bp
Locus ID:	129607
UniProt ID:	<u>Q5EBM0</u>
Cytogenetics:	2p25.2
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
MW:	49.4 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 (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>