

Product datasheet for **SC325566**

CMPK1 (NM_001136140) Human Untagged Clone

Product data:

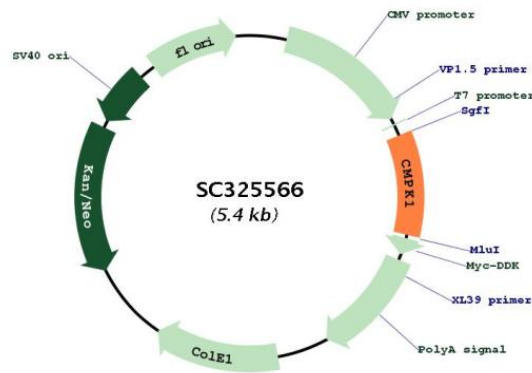
Product Type: Expression Plasmids
Product Name: CMPK1 (NM_001136140) Human Untagged Clone
Tag: Tag Free
Symbol: CMPK1
Synonyms: CK; CMK; CMPK; UMK; UMP-CMPK; UMPK
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC325566 representing NM_001136140.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGAGCCGCTGCCGAGCGGGCTGCTCCACGTCTGGGCCTTAGCTTCTGCTGCAGACCCGCCGG
CCGATTCTCCTCTGCTCTCCACGTCTCATGAAGCCGCTGGTCTGTTTCCTCGCGGCCCGCCGCC
GGCAAGGGGACCCAGTGCGCCCGCATCGTCGAGGAAATGGATCAGACAATGGCTGCCAATGCTCAGAAG
AATAAATCTTGATTGATGGGTTTCCAAGAAATCAAGACAACCTTCAAGGATGGAACAAGACCATGGAT
GGGAAGGCAGATGTATCTTTCGTTCTCTTTTTGACTGTAATAATGAGATTTGTATTGAACGATGTCTT
GAGAGGGGAAAGAGTAGTGGTAGGAGTGATGACAACAGAGAGAGCTTGGAAAAGAGAATTCAGACCTAC
CTTCAGTCAACAAAGCCAATTATTGACTTATATGAAGAAATGGGAAAGTCAAGAAAATAGATGCTTCT
AAATCTGTTGATGAAGTTTTGATGAAGTTGTGCAGATTTTTGACAAGGAAGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001136140

Insert Size: 540 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:	NM_001136140.1
RefSeq Size:	2809 bp
RefSeq ORF:	540 bp
Locus ID:	51727
UniProt ID:	P30085
Cytogenetics:	1p33
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pyrimidine metabolism
MW:	20.2 kDa
Gene Summary:	<p>This gene encodes one of the enzymes required for cellular nucleic acid biosynthesis. This enzyme catalyzes the transfer of a phosphate group from ATP to CMP, UMP, or dCMP, to form the corresponding diphosphate nucleotide. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>