

Product datasheet for SC122946

CENPM (NM_024053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPM (NM_024053) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENPM
Synonyms:	C22orf18; CENP-M; PANE1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_024053 edited

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GAAAGATCGGCGCGCACCAGGAGCAACGGTTGGTCTGCGGCTGTGATGTCGGTGTTG
AGGCCCTGGACAAGCTGCCCAGCCTGAACACGGCCACCATCTTGCTGGTGGGCACGGAG
GATGCTCTTCTGCAGCAGCTGGCGGACTCGATGCTCAAAGAGGACTGCGCCTCCGAGCTG
AAGGTCCACTTGCAAGTCCCTCCCTTTGCCCTCCAGTGTGAATCGGCCCGAATTGAC
CTGATCGTGTGTTGTGTTAATCTTACAGCAAATACAGTCTCCAGAACACAGAGGAGTCC
CTGCGCCATGTGGATGCCAGCTTCTTCTGGGGAAGGTGTGTTTCCTCGCCACAGGTGCT
GGGCGGGAGAGCCACTGCAGCATTCACCGGCACACCGTGGTGAAGCTGGCCACACCTAT
CAAAGCCCCCTGCTCTACTGTGACCTGGAGGTGGAAGGCTTTAGGGCCACCATGGCGCAG
CGCCTGGTGCGGTGCTGCAGATCTGTGCTGGCCACGTGCCCGGTGTCTCAGCTCTGAAC
CTGCTGTCCCTGCTGAGAAGCTCTGAGGGCCCCCTCCCTGGAGGACCTGTGAGGGTGGCTG
GCCCTGGGTGCCCCCTTCTCATGGCTTCGTGCTGACTCCATAAACATTCTCTGTTGAGG
ATGTCCAGTCAGGGCTTGACAGGCCAGGCTCAGCCCGCGGTGGCTGGGAAGGTTCCCTG
CAGTGCCAGTGTGTCAGCAGGGAGAGCTGGGCAGAAGCAGCGAGGGGGCCAGCTGGCGA
GACTGTAGCCCCCTCCCACTCCCACTCACTCTTGCAGAGCCTGTGTCTTAAGCAGCT
GGCGTGTACATCTCCATTTAAGGTTTCCTTTGAACAAAAGGTCTGTGGCTAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024053 unedited NNTTAGTACACATTTGTATACGACTCATATAGGCGGCACGCAATTCGCACGAGGGNAAA GATCGGCGCGCACCGCAGGAGCAACGGTTGGTCTGCGGCTGTGATGTCGGTGTTGAGGC CCCTGGACAAGCTGCCCCGGCCTGAACACGGCCACCATCTTGCTGGTGGGCACGGAGGATG CTCTTCTGCAGCAGCTGGCGGACTCGATGCTCAAAGAGGACTGCGCCTCCGAGCTGAAGG TCCACTTGGCAAAGTCCCTCCCTTTGCCCTCCAGTGTGAATCGGCCCCGAATTGACCTGA TCGTGTTTGTGGTTAATCTTCACAGCAAATACAGTCTCCAGAACACAGAGGAGTCCCTGC GCCATGTGGATGCCAGCTTCTTCTTGGGAAGGTGTGTTTCTCGCCACAGGTGCTGGGC GGGAGAGCCACTGCAGCATTACCGGCACACCGTGGTGAAGCTGGCCACACCTATCAAA GCCCCCTGCTCTACTGTGACCTGGAGGTGGAAGGCTTTAGGGCCACCATGGCGCAGCGCC TGGTGCAGCTGTGAGATCTGTGCTGGCCACGTGCCCGTGTCTCAGCTCTGAACCTGC TGTCCCTGCTGAGAAGCTCTGAGGGCCCTCCCTGGAGGACCTGTGAGGTGGCTGGCCC CTGAGCTGCCCTTCTCATGGCTTCGTGCTGACTCCATAAACATTCTCTGTTGAGGATGT CCAGTCAGGGCTTGACAGGCCAGGCTCAGCCCGCGTGGCTGGGAAGGTTCCCTGCAGT GCCAGTGTGAGCAGGAGAGCTGGGCAGAGCAGCGAGGGGGCCAGCTGGCGAGACTG TAGCCNCCTGCCACTTCCACACTCACTCTGAGAGCCTGTGCTTNTAGCAGCTGGCGT GTTAC
Restriction Sites:	Please inquire
ACCN:	NM_024053
Insert Size:	929 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).
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:	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_024053.3 , NP_076958.1
RefSeq Size:	947 bp
RefSeq ORF:	543 bp
Locus ID:	79019
UniProt ID:	Q9NSP4
Cytogenetics:	22q13.2
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene is an inner protein of the kinetochore, the multi-protein complex that binds spindle microtubules to regulate chromosome segregation during cell division. It belongs to the constitutive centromere-associated network protein group, whose members interact with outer kinetochore proteins and help to maintain centromere identity at each cell division cycle. The protein is structurally related to GTPases but cannot bind guanosine triphosphate. A point mutation that affects interaction with another constitutive centromere-associated network protein, CENP-I, impairs kinetochore assembly and chromosome alignment, suggesting that it is required for kinetochore formation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Transcript Variant: This variant (1) encodes the longest isoform (a).