

Product datasheet for MR223484

Cdca8 (NM_026560) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdca8 (NM_026560) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdca8
Synonyms:	4831429J16Rik; AU044747; BOR; Borealin; D4Ertd421e; DasraB; MESRGP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223484 representing NM_026560 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCCAAGAAACGCAGCAGCCGCGGAACCAGGACCAACACGCTGCGGAGCCGGAAGCTCGCCTCCT
TCCTGAAGGACTTCGACCGCGAGGTGCAAGTTCGAACCAAGCAAATTGAGTCCGACAGACAGACCCTCCT
CAAGGAGGTGAAAATCTGTACAACATCGAGATCCTTCGGCTCCCAAGGCGCTGCAAGGGATGAAGTGG
CTTGACTACTTCGCCCTAGGAGGAAAACAAGCAGGCCCTGGAAGAGGCAGCAAAAGCTGATCGAGACATCA
CAGAAATAACAATTTAACAGCTGAAGCTATTCAGACACCTTTGAAATCTGTTAAAAAGCGAAAGGTAAT
CGAGGTGGAGGAATCGATAAAGGAAGAAGAAGAAGAGGAAGAAGAAGGAGGAGGAGGAGGAAGAACA
AAAAAGAGCCATAAGAATCTTCGATCTGCAAAAAGTCAAAAAGATGCCTTCCATCCAAGAAGAGAACCAGT
CCATACAAGGAAGAGGCAGAAGTAAAAGGTTAAGCCATGACTTTGTGACGCCAGCTATGAGCAGGCTGGA
GCCGTCTCTGGTGAACCAACCCAGGCATGACACCTAGGTTTGACTCCCGGGTCTTCAAGACTCCAGGG
CTACGCACTCCAGCAGCCAAAGCAAGTTTACAACATCTCCATCAACGGCAGCCCTCTCGCAGACAGCA
AAGAGATCTCCCTCAGTGTGCCATAGGTGGCGGTGCGAGCTTGGGTTATTGGCCAGTGACTTGCAAAAG
GATTGATATTGCTCAGCTGAATCCAGAGGCTCTGGGAAACATTAGAAAAGCTCTCGAGCCGCTCGCCAG
ATCTGCAGCAGCATACGGACGGGCCGA

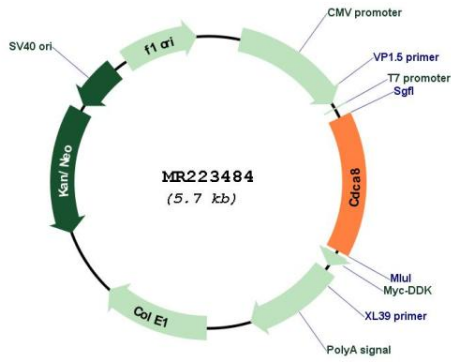
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_026560.4 , NP_080836.3
RefSeq Size:	1626 bp
RefSeq ORF:	870 bp
Locus ID:	52276
UniProt ID:	Q8BHX3
Cytogenetics:	4 57.93 cM
MW:	32.7 kDa
Gene Summary:	Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. In the complex, it may be required to direct the CPC to centromeric DNA. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223484