

Product datasheet for **RC220318**

C6ORF173 (CENPW) (NM_001012507) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6ORF173 (CENPW) (NM_001012507) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6ORF173
Synonyms:	C6orf173; CENP-W; CUG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220318 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGTCGACCATAGTCTCCAGAGGAAGCAGATAAAGCGGAAGGCTCCCCGTGGCTTTCTAAAGC
GAGTCTTCAAGCGAAAGAAGCCTCAACTTCGTCTGGAGAAAAGTGGTGACTTATTGGTCCATCTGAACG
TTTACTGTTTGTTCATCGATTAGCAGAAGAGTCCAGGACAAACGCTTGTGCGAGTAAATGTAGAGTCATT
ACAAGGAGCATGTACTGGCCGAGCAAAGGTAATTCTAAAGAAGAGCAGAGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC220318 protein sequence Red=Cloning site Green=Tags(s)
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MALSTIVSQRKQIKRKAPRGFLKRVFKRKKPQLRLEKSGDLLVHLNCLLFVHRLAEEERTNACASKCRVI
NKEHVLAAAKVILKKSRRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6455_h02.zip

Restriction Sites: Sgfl-Mlul

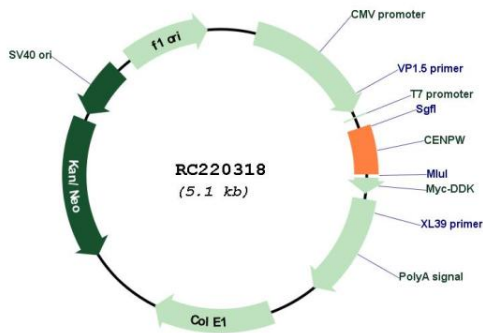


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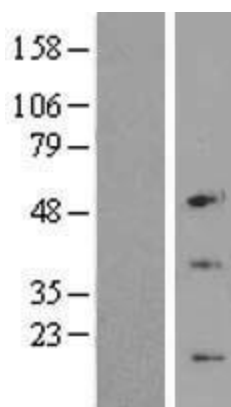
RefSeq ORF: 267 bp
 Locus ID: 387103
 UniProt ID: [Q5EE01](#)
 Cytogenetics: 6q22.32
 MW: 10.1 kDa

Gene Summary: Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation (By similarity). The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres (By similarity). Part of a nucleosome-associated complex that binds specifically to histone H3-containing nucleosomes at the centromere, as opposed to nucleosomes containing CENPA. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. CENPW has a fundamental role in kinetochore assembly and function. It is one of the inner kinetochore proteins, with most further proteins binding downstream. Required for normal chromosome organization and normal progress through mitosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC220318



Western blot validation of overexpression lysate (Cat# [LY422874]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220318 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).