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Product datasheet for RC220318L1V

C6ORF173 (CENPW) (NM_001012507) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	C6ORF173 (CENPW) (NM_001012507) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C6ORF173
Synonyms:	C6orf173; CENP-W; CUG2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001012507
ORF Size:	264 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220318).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001012507.1
RefSeq Size:	1135 bp
RefSeq ORF:	267 bp
Locus ID:	387103
UniProt ID:	Q5EE01
Cytogenetics:	6q22.32
MW:	10.1 kDa

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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]