

Product datasheet for SC317082

KIAA1712 (CEP44) (NM_001040157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1712 (CEP44) (NM_001040157) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP44
Synonyms:	KIAA1712; PS1TP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317082 representing NM_001040157. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAACAGGTGACTTAAAAAGAAGCTTACGGAACCTAGAACAGGTGCTCCGCTTGCTAAATTATCCT
GAAGAGGTGGACTGTGTAGGTTTGATAAAGGGAGACCCAGCAGCATCTTTGCCCATCATCAGCTATTCT
TTTACCTCATACTCACCTTATGTAAACAGAACTTATAATGGAATCCAATGTAGAGCTCATAGCAAAAAAT
GACTTGCCTTTATAGATGCTGTCTATAAGCTTCTTCGTGATCAATTTAATTATAAACCAATTTTGACA
AAAAAGCAGTTTATCCAATGTGGGTTTGCAGAATGGAAAAATCCAATTGTTTGTGATATTTGAATTGT
GTGATGAAAAAGCACAAGGAATTAAGCAGTCTTCAGAAGATTCCATCACAACAAAGAAAATCAGT
TCTGGTAAGTCAGAACCTCCTTTGGGCAATGAGAAAATATCTGCAGAGGCTGTTGGCGTTGATATCAGT
GGCAGGTTTATGACCTCAGGAAAGAAGAAAGCTGTGGTATTTCGTCACCTGTATAATGAAGATAATGTT
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GCTACTGAAATAAAGATGCCTGAAGTAAAGGTTCTGAAATCAAGGCTGAGCAACAGGATGTAATGTT
AATCCTGAGATTACTGCACTACAACTATGCTTGCTGAATGCCAAGAAAATCTTAAGAACTGACTTCG
ATAGAGAAAAGGTTAGACTGTTTGAACAAAAAATGAAAGGAAAAGTATGATGGTAGATGAAAACACCTGG
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AAAAGCGAAGTAGAGAGGCCAGCAAGTATTCCTCTGCTCTGGCTATAGTACAGCATCATCAGATTCA
ACTCCCAGAGCCTCTACTGTTAATTACTGTGGTTTGAATGAGATTTAGAGGAAAACAACATCCAGAAA
ATGGAAAGGATGAAAAAATGTTTGAAGAACTGCAGAGTTACTGAAATGTCCAATCACTACTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:	□
ACCN:	NM_001040157
Insert Size:	1173 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:	<u>NM_001040157.2</u>
RefSeq Size:	4535 bp
RefSeq ORF:	1173 bp
Locus ID:	80817
UniProt ID:	<u>Q9C0F1</u>
Cytogenetics:	4q34.1
MW:	44.1 kDa
Gene Summary:	<p>Centriole-enriched microtubule-binding protein involved in centriole biogenesis. In collaboration with CEP295 and POC1B, is required for the centriole-to-centrosome conversion by ensuring the formation of bona fide centriole wall (PubMed:32060285). Functions as a linker component that maintains centrosome cohesion. Associates with CROCC and regulates its stability and localization to the centrosome (PubMed:31974111). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript but encodes the shorter isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>