

Product datasheet for **SC326569**

KIAA1712 (CEP44) (NM_001145314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1712 (CEP44) (NM_001145314) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA1712
Synonyms:	KIAA1712; PS1TP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326569 representing NM_001145314. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCAACAGGTGACTTAAAAAGAAGCTTACGGAACCTAGAACAGGTGCTCCGCTTGCTAAATTATCCT
 GAAGAGGTGGACTGTGTAGGTTTGATAAAGGGAGACCCAGCAGCATCTTTGCCCATCATCAGCTATTCT
 TTTACCTCATACTCACCTTATGTAAACAGAACTTATAATGGAATCCAATGTAGAGCTCATAGCAAAAAAT
 GACTTGCCTTTATAGATGCTGTCTATAAGCTTCTTCGTGATCAATTTAATTATAAACCAATTTTGACA
 AAAAGCAGTTTATCCAATGTGGGTTTGCAGAATGAAAAATCAAATTGTTTGATATTTGAATTGT
 GTGATGAAAAAGCACAAGGAATTAAGCAGTCTTCAGAAGATTCCATCACAAAGAAAGAAATCAGT
 TCTGGTAAGTCAGAACCTCCTTTGGGCAATGAGAAAAATATCTGCAGAGGCTGTTGGCGTTGATATCAGT
 GGCAGGTTTATGACCTCAGGAAAGAAGAAAGCTGTGGTGATTTCGTCACTTGATATAATGAAGATAATGTT
 GACATTTCTGAGGATACATTAAGTCCAATAACAGATGTTAATGAAGCAGTTGATGTGCTGACTTAAAT
 GCTACTGAAATAAAGATGCCTGAAGTAAAGGTTCTGAAATCAAGGCTGAGCAACAGGATGTAAATGTT
 AATCCTGAGATTACTGCACTACAACTATGCTTGCTGAATGCCAAGAAAACTTAAAGAACTGACTTCG
 ATAGAGAAAAGGTTAGACTGTTTGAACAAAAATGAAAGGAAAAGTATGATGGTAGATGAAACACCTGG
 ACTAATCTTCTAGTCGTGCTACTCTTCTTGAACAGAAATGCTTTTGTCTAAAAAGAATGATGAATTT
 ATAGAGTTTAAAGTTAGTGAAGACTACGCTTCTTGTAGTGACATGGACCTTCTGAATCCTCACAGA
 AAAAGCGAAGTAGAGAGGCCAGCAAGTATTCTCTGTCTCTGGCTATAGTACAGCATCATCAGATTCA
 ACTCCCAGAGCCTCTACTGTTAATTACTGTGGTTTGAATGAGATTTCAGAGAATTTTCTGCATGGAGT
 GCTACATCCTCTTGTCCAGTCTCAGCTGGCTGCTCCGTGGGCATACTTCATACCTTTTCATCACAGAGC
 TTTGCTTGGCCTCTCTCTGTGT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


[View online »](#)

ACCN:	NM_001145314
Insert Size:	1200 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:	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_001145314.1</u>
RefSeq Size:	3290 bp
RefSeq ORF:	1200 bp
Locus ID:	80817
UniProt ID:	<u>Q9C0F1</u>
Cytogenetics:	4q34.1
MW:	44.8 kDa
Gene Summary:	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] Transcript Variant: This variant (2) uses an alternate 3' exon, compared to variant 1. The resulting protein (isoform b) has a longer and distinct C-terminus compared to isoform a.