

Product datasheet for SC332330

KIF22 (NM_001256269) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KIF22 (NM_001256269) Human Untagged Clone
Tag: Tag Free
Symbol: KIF22
Synonyms: A-328A3.2; KID; KNSL4; OBP; OBP-1; OBP-2; SEMDJL2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332330 representing NM_001256269.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGACAGCTGCTCTCTAGAGATTGCTAACTGGAGGAACACCAGGAGACTCTCAAATACCGATTTGAT
GCCTTCTATGGGGAGAGGAGTACTCAGCAGGACATCTATGCAGGTTCAAGTGCAGCCCATCTAAGGCAC
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CTGGGCAGCCAGAGCAACCTGGGGTGATCCCGCGGGCTCTCATGGACCTCCTGCAGCTCACAAGGGAG
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TGGCGGGAGCTCCACGGCCCTTCCAGCCAGGTGGAGGACCTGGAACGCGTGGAGGGCATAACGGGAAA
CAGATGGAGTCTTCTGAAGGCAACATCCTGGGTCTCGCCCGGCCAGCGCTGTGGCGCCTCTGA
  
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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001256269
Insert Size:	1794 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).
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_001256269.1
RefSeq Size:	2208 bp
RefSeq ORF:	1794 bp
Locus ID:	3835
UniProt ID:	Q14807
Cytogenetics:	16p11.2
Protein Families:	Druggable Genome
MW:	66.3 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the kinesin-like protein family. The family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. The C-terminal half of this protein has been shown to bind DNA. Studies with the <i>Xenopus</i> homolog suggests its essential role in metaphase chromosome alignment and maintenance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) has an additional exon in the 5' region, which results in a downstream AUG start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus than isoform 1. Variants 2 and 3 encode the same isoform.</p>