

## Product datasheet for **SC332331**

### KIF22 (NM\_001256270) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KIF22 (NM\_001256270) 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:** >SC332331 representing NM\_001256270.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGACAGCTGCTCTCTAGAGATTGCTAACTGGAGGAACACCAGGAGACTCTCAAATACCGTTTGGT
GCCTTCTATGGGGAGAGGAGTACTCAGCAGGACATCTATGCAGGTTCAAGTGCAGCCCATCTAAGGCAC
TTGCTGGAAGGGCAGAATGCCAGTGTGCTTGCCTATGGACCCACAGGAGCTGGGAAGACGCACACAATG
CTGGGCAGCCAGAGCAACCTGGGGTGTCCCGCGGGCTCTCATGGACCTCCTGCAGCTCACAAGGGAG
GAGGGTCCGAGGGCCGCCATGGGCCCTTTCTGTACCATTGTCTTACCTAGAGATCTACCAGGAGAAG
GTATTAGACCTCCTGGACCTGCTTCGGGAGACCTGGTAATCCGAGAAGACTGCCGGGGGAATATCCTG
ATTCCGGGTCTCTCCAGAAGCCCATCAGTAGCTTTGCTGATTTTGAGCGGCACTTCTGCCAGCCAGT
CGAAATCGGACTGTAGGAGCCACCCGGCTCAACCAGCGCTCCTCCCGCAGTCATGCTGTGCTCCTGGTC
AAGGTGGACAGCGGGAACGTTTGGCCCATTTTCGCCAGCGAGAGGGAAAACCTACCTGATTGACTTG
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TGCTGGGAGCTACAGATCAGCCCGAGCTACTGGCTCATGGGCGCAAAAATACTGGATCTGCTAAC
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TGGCGGGAGCTCCACGGCCCTTCCAGCCAGGTGGAGGACCTGGAACGCGTGGAGGGCATAACGGGGAAA
CAGATGGAGTCTTCTGAAGGCAACATCCTGGGTCTCGCCCGGCCAGCGCTGTGGCGCCTCTGA
  
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<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_001256270
<b>Insert Size:</b>	1794 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256270.1</a>
<b>RefSeq Size:</b>	2296 bp
<b>RefSeq ORF:</b>	1794 bp
<b>Locus ID:</b>	3835
<b>UniProt ID:</b>	<a href="#">Q14807</a>
<b>Cytogenetics:</b>	16p11.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	66.3 kDa
<b>Gene Summary:</b>	<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 (3) has an alternate 5' exon, 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. 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>