

## Product datasheet for **SC123470**

### **KATNAL2 (BC034999) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KATNAL2 (BC034999) Human Untagged Clone
Tag:	Tag Free
Symbol:	KATNAL2
Synonyms:	DKFZp667C165; katanin p60 subunit A-like 2; MGC33211
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC034999 edited  
 AGTAACTGACTACTTTTTCTCCTTCTCTAGGGTCTAGCACAGTGTCTGATGGAGCTTTC  
 CTACCAGACCCTGAAATTCACGCATCAGGCGCGGGAAGCGGTATATCGATACAGCAAATG  
 CTTTGGAGCAAGAACTAACTGGGGTTACGACGGTTTGAAGTTTGTGACAACATTGATC  
 TTGAACTATTTTGTGGAATATGAGAGTTATTATTTGTAAAATTTAGAAAATACCCCA  
 AAATTGTCAAAAAGTATCAGACACAGCAGAAAATAATTTACCGCAAAGAAGTAGAGGGA  
 AGACCAGAGGATGATGAACGACAGTTGTCAAAATCTTCCAAGATCAATCAGCAGAGGC  
 CCCGGTCCAAAACACAGCGGGGAAGACAGGGGACACCAAAATCGCTCAATAAGGAGCATC  
 CTAATCAGGAGGTAGTTGATAACACTCGCCTGGAAAATGCCAACTTCGGCCTACATATAT  
 CAAGAATCCGTAAGACAGTGGAGAGGAAAATGCCACCCACGAAGAGGCCAAATCATTG  
 ACTTCCAAGGGCTGCTCACAGATGCCATCAAGGGAGCAACCAGTGAACCTGCCTTGAACA  
 CCTTCGACCATAATCCAGACCCCTCAGAACGACTGCTGAAACCTCTGAGTGCATTTATTG  
 GCATGAACAGTGAGATGCGAGAATTGGCAGCCGTGGTGGCCGGGACATTTATCTCCATA  
 ATCCAAACATAAAGTGAATGACATTATTGGACTTGATGCAGCCAAGCAGTTAGTCAAAG  
 AAGCTGTTGTATCCTATAAGGTATCCACAGCTATTTACAGGAATTTCTTCTCCCTGGA  
 AAGGACTACTGCTGTACGGCCCTCCAGGTACAGGAAAGACTTTACTGGCCAAAGCTGTGG  
 CCACTGAATGTAAAACAACCTTCTTTAACATTTCTGCATCCACCATTGTGAGCAAATGGA  
 GAGGGGATTAGAAAACTCGTTCGGGTGTTATTTGAGCTTGCCCGCTACCACGCCCCAT  
 CCACGATCTTCTGGACGAGCTGGAGTCGGTGATGAGTCAGAGAGGCACAGCTTCTGGGG  
 GAGAACATGAAGGAAGCCTGCGGATGAAGACAGAGTTACTGGTGCAGATGGATGGCTGG  
 CACGCTCAGAAGATCTCGTATTTGTCTTAGCAGCTTCTAACCTGCCGTGGGAGCTGGACT  
 GTGCCATGTTACGCCCTGGAGAAGAGGATTCTGGTGCATCTCCCAGCCGGGAGGCCA  
 GGCAGGCCATGATCTACCACTGGCTGCCCTCTGTGAGCAAGAGCAGGGCCTTGGAGCTGC  
 ACACAGAGCTGGAGTACAGTGTGCTGAGCCAGGAGACTGAGGGCTACTCAGGCTCAGATA  
 TTAAGCTCGTCTGCAGGGAAGCAGCCATGCGGCCCGTGAGGAAGATCTTTGATGCACTTG  
 AAAATCACAGTCAGAAAGCAGCGACTTACCCAGGATCCAGTTGGATATAGTAACCACTG  
 CCGACTTTCTGGATGTGCTAACTCACACCAAGCCCTCCGCAAAGAATCTGGCTCAGAGAT  
 ACTCAGACTGGCAAAGAGAGTTCGAGTCTGTCTGAAACCACATTTACCCTGACCTGGCCA  
 CAAAGGCAACCACAAAGACCTCCTAGTTTATTAATGTCCGTGGGAGAACAAAATGATTGG  
 AATGAAAAGAGAAAATTTTTTGAAGACTGGATTAACCTGAGCCACTGTATTGTTTTG  
 GATAGCTGAGATATTTTAACTTACCATTATCGATGTCAGCAAATATTGAGAGTTT  
 CAGTTACATACATATATGTGCTATTGGGTCATACAATGGAGATTTTTCTGACAATTAGAC  
 TCATAAAATTTTAAAGCAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC034999 unedited  
 TTGGGTTTTGTATACGACTCACTTAGGCGCCGCATAAATTCGTATAGCATAACATTATAC  
 GAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGTAACCTGAC  
 TACTTTTCTCCTTCTCTAGGGTCTAGCACAGTGTCTGATGGAGCTTCTCCTACCAGACC  
 CTGAAATTCACGCATCAGGCGCGGGAAGCGGTATATCGATACAGCAAATGCTTTGGAGCA  
 AGAACTAACTGGGGTTACGACGGTTTGAAGTTTGTGACAACATTGATCTTGAACATAT  
 TTTGATGGAATATGAGAGTTATTATTTGTAAAATTTAGAAAATACCCAAAATTTGTCAA  
 AAAGTCATCAGACACAGCAGAAAATAATTTACCGCAAAGAAGTAGAGGGAAGACCAGAAG  
 GATGATGAACGACAGTTGTCAAAATCTTCCAAGATCAATCAGCAGAGGCCCGGTCCAA  
 AACACAGCGGGGAAGACAGGGGACACCAAAATCGCTCAATAAGGAGCATCCTAATCAGGA  
 GGTAGTTGATAACACTCGCCTGGAAAATGCCAACTTCGGCCTACATATATCAAGAATCCG  
 TAAAGACAGTGGAGAGGAAAATGCCACCCACGAAGAGGCCAAATCATTGACTTCCAAGG  
 GCTGCTCACAGATGCCATCAAGGGAGCAACCAGTGAACCTTGCCTTTGACACCTTCAGCA  
 TNATCCAGACCCCTCAGAACGACTGCTGAAACCTCTGAGTGCATTTATTGGCATGAACAG  
 TGAGATGCGAGATTGGNCAGCCGTGGTGGCCGGGACATTTATCTCCCATATCCCAACAT  
 AAGTGAATGACATTATTGGACTTGATGCAGCCAAGCAGTTAGTCAAAGAAGCTGNTGTG  
 TATCCTATAAGGGTCCACAGCTATTTACAGGAATTNCTTCTCCTGAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC034999
<b>Insert Size:</b>	1901 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="#">BC034999.2</a> , <a href="#">AAH34999.2</a>
<b>RefSeq Size:</b>	1896 bp
<b>RefSeq ORF:</b>	1317 bp
<b>Locus ID:</b>	83473
<b>Cytogenetics:</b>	18q21.1
<b>Gene Summary:</b>	Severs microtubules in vitro in an ATP-dependent manner. This activity may promote rapid reorganization of cellular microtubule arrays.[UniProtKB/Swiss-Prot Function]