

## Product datasheet for **SC122982**

### **GKAP1 (NM\_025211) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GKAP1 (NM_025211) Human Untagged Clone
Tag:	Tag Free
Symbol:	GKAP1
Synonyms:	FKSG21; GKAP42
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 NM\_025211 edited  
 TGCAGCCGCGCTCACCTCCGCGGTCCGCCCGGCGCCCGGGACCCGTTAGTGCCAGCC  
 TGCGGGCCGACCGCGACCACCGCCCGGCGGAGCCTGCCCCAGCTCTGCCGACACTTGA  
 CCCAGACCAGTCCCAACGCCAGTGCGGCCGCCCGGGAGCCGCGGGAGAGGGCGGGCG  
 GGGGAGGAGGGAGAGGGAGGGCCGAGCCGGCGGCACGGGAGGCCCGGTTTTGAAGCCGT  
 TCTCTGCCGAGTTAGGTTTCGCCAGCGCAATTTCTTCTCTATGTACTTTGCGAATAA  
 GTTTCCGAGCATCGTTAACAGCCTATGGGTGAAATTTGGCTTTCATTCATGAATGAGAA  
 ATTATTCTTGACAGAAGTATTTTAAAAGAAAAATCTTACGATGGCCTCAGCAGTACTTA  
 GTTCTGTTCCACCACCCTTCTCGTTTTGCCCTGTTACAAGTGGATAGTGGCAGTGGCT  
 CTGATTCTGAACCTGAAAAAGTAAAGTTCGAAATACTGGAAAGTCTCAAACCTTAGGAA  
 GCAAGTCAACTACAAATGAGAAAAAAGAGAAAAAGAAGAAAAAGAAAGAACAGCAAC  
 AGAGTGAAGCAATGAGCTCAGGAATCTTGCTTTAAGAAAAATCCCCAGAAATCCTCCC  
 ATGCTGTTTGAACGCTCAACATGATCTCCATTGTCAAACCCAGTACAGAAGGATTCAC  
 GAGAAGAAAAATTGCAAGAGTGGAGACAAAGAGATGAGCAGCTGACATCTGAAATGTTG  
 AAGCAGATCTTGAGAAGGCATTGTTACTAAGTAACTAGAATATGAAGAGCACAAAAAGG  
 AGTATGAAGATGTGAAAATACTTCAACTCAGTCCAAAGTTATGAATAAAAAAGATAAAA  
 GAAAGAATCATCAGGGAAAAAGACAGACCTCTCACAGTATCACTAAAAGATTTTCATTCCG  
 AAGATCACATTAGTAAAAAGACTGAGGAATTGAGTTCTTCTCAGACTTTATCACATGATG  
 GAGGATTTCTCAATAGACTGGAAGATGATGTTCAAAAATTTTATTAGAGAAAAACGAA  
 GAGAACAGCTTACAGAATATAATGGAACAGATAATTGTACAGCTCATGAACACAACCAGG  
 AAGTGGTTCTGAAAGATGGAAGAATTGAAAGACTAAAGTTAGAGCTTGAAAGGAAAGATG  
 CTGAAATCCAGAAGCTGAAAAATGTAATCACTCAATGGGAGGCAAAGTATAAGGAAGTAA  
 AGGCAAGAAATGCACAATTATTGAAAATGCTTCAGGAAGGTGAAATGAAAGATAAGCGCAG  
 AAATACTTCTGCAAGTTGATGAATCACAAAGTATCAAGAATGAGCTCACTATTCAGGTGA  
 CTTCACTTCATGCTGCATTAGAACAAGAAAGATCTAAAGTGAAGTATTACAAGCAGAGT  
 TAGCCAAATACCAGGTGGCAGAAAAAGGAAAAAGAACTCTGAATCCGACCAGTGTAGGT  
 GATTACATTAGCCTTTGAAAGTCAACACAAAGTTTAAAACCTCCAGGATTTTGCAAAGTTG  
 TATATATTTAATGCTGTGCAACTGCTAAACTATGCAGTTTTTCTTGAAGGAACTAAAAGC  
 AACTAGCTCCCTAATGGTCTATAATTTTATTTCTTTGGCTTAAAGTAAAAAGAAGAA  
 TAGAGAATCCAGCAGAATTCAGTGGTTGTCTACTATCCATACTTCTTATCACTTTAGTT  
 TTTTCATCAGTCAATAAAATTAATTTACTTCTCCACTAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_025211 unedited  
 NNNGGAGTACACATTTGTAACGACTCACTATAGGCGGCCGGAATTCGCACGAGGTGCA  
 GCCGCGCTCACCTCCGCGGTCCGCCCGGCGCCCGGGACCCGTTAGTGCCAGCCTGCG  
 GGCCGACCGCGACCACCGCCCGGCGGAGCCTGCCCCAGCTCTGCCGACACTTGACCCA  
 GACCAGTCCCAACGCCAGTGCGGCCGCCCGGGAGCCGCGGGAGAGGGCGGGCGGGCG  
 GAGGAGGGAGAGGAGGGCCGAGCCGCGGCACGGGAGGCCCGGTTTTGAAGCCGCTTCTC  
 TGCCCGAGTTAGTTTTCGCCAGCGCAATTTCTTCTCTATGTACTTTGCGAATAAGTTT  
 CGGAGCATCGTTAACAGCCTATGGGTGAAATTTGGCTTTCATTCATGAATGAGAAATTA  
 TTCTTGACAGAAGTATTTTAAAAGAAAAATCTTACGATGGCCTCAGCAGTACTTAGTTC  
 TGTTCCCACCACCGCTTCTCGTTTTGCCCTGTTACAAGTGGATAGTGGCAGCGGCTCTGA  
 TTCTGAACCTGAAAAAGTAAAGTTCGAAATACTGGAAAGTCTCAAACCTTAGGAAGCAA  
 GTCAACTACAAATGAGAAAAAAGAGAGAAAAAGAAGATAAAAGAAGGAACAGCAACAGAG  
 TGAAGCAATGAGCTCANGAATCTTGCTTTAAGAAAATTCGCCAGAAATCCTCCATGC  
 TGTTTGTAAACGCTCAACATGATCTTCCATTGTCAAACCCAGTACAGAAGGATTCACGAGT  
 AAGAAATTGGCAAGAGTGGAGACAAAGAGATGAGCAGCTGACATCTGAAATGCTTGAAGC  
 AGATCTTGAGGAAGCATTGNTACTAAGTAACTAGNATATGAAGAGCACA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_025211

<b>Insert Size:</b>	1796 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_025211.2</a> , <a href="#">NP_079487.2</a>
<b>RefSeq Size:</b>	1796 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	80318
<b>UniProt ID:</b>	<a href="#">Q5VSY0</a>
<b>Cytogenetics:</b>	9q21.32
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a protein that is highly similar to the mouse cGMP-dependent protein kinase anchoring protein 42kDa. The mouse protein has been found to localize with the Golgi and recruit cGMP-dependent protein kinase I alpha to the Golgi in mouse testes. It is thought to play a role in germ cell development. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>