

Product datasheet for **SC325762**

GKAP1 (NM_001135953) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GKAP1 (NM_001135953) Human Untagged Clone
Tag:	Tag Free
Symbol:	GKAP1
Synonyms:	FKSG21; GKAP42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325762 representing NM_001135953. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCCTCAGCAGTACTTAGTTCTGTTCCACCACCGCTTCTCGTTTGGCCCTGTTACAAGTGGATAGT
GGCAGTGGCTCTGATTCTGAACCTGGAAAAGGTAAAGGTCGAAATACTGGAAAGTCTCAAACCTTTAGGA
AGCAAGTCAACTACAAATGAGAAAAAAGAGAGAAAAAGAAAAAGAAAGAACAGCAACAGAGTGAA
GCAAAATGAGCTCAGGAATCTTGCTTTTAAAGAAATCCCCAGAAATCCTCCCATGCTGTTTGTAACGCT
CAACATGATCTTCCATTGTCAAACCCAGTACAGAAGGATTCACGAGAAGAAAATTGGCAAGAGTGGAGA
CAAAGAGATGAGCAGCTGACATCTGAAATGTTTGAAGCAGATCTTGAGAAGGCATTGTTACTAAGTAAA
CTAGAATATGAAGAGCACAAAAAGGAGTATGAAGATGCTGAAAAACTTCAACTCAGTCCAAAGTTATG
AATAAAAAAGATAAAAGAAAGAATCATCAGGGAAGACAGACCTCTCACAGTATCACTAAAAGATTTT
CATTTCGGAAGATCACATTAGTAAAAAGACTGAGGAAGTGGTTCTGAAAGATGGAAGAATTGAAAGACTA
AAGTTAGAGCTTGAAAGGAAAGATGCTGAAATCCAGAAGCTGAAAAATGTAATCACTCAATGGGAGGCA
AAGTATAAGGAAGTAAAGGCAAGAAATGCACAATTATTGAAATGCTTCAGGAAGGTGAAATGAAAGAT
AAGGCAGAAATACTTCTGCAAGTTGATGAATCACAAAGTATCAAGAATGAGCTCACTATTCAGGTGACT
TCACTTCATGCTGCATTAGAACAAAGAAAGATCTAAAGTGAAGTATTACAAGCAGAGTTAGCCAAATAC
CAGGGTGGCAGAAAAGGGAAGAACTCTGAATCCGACCAAGTAGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001135953
Insert Size:	948 bp


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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:	<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_001135953.1
RefSeq Size:	1738 bp
RefSeq ORF:	948 bp
Locus ID:	80318
UniProt ID:	Q5VSY0
Cytogenetics:	9q21.32
Protein Families:	Druggable Genome
MW:	36.1 kDa
Gene Summary:	<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 (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform b) compared to isoform a.</p>