

Product datasheet for SC126968

PKI alpha (PKIA) (NM_006823) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKI alpha (PKIA) (NM_006823) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKI alpha
Synonyms:	PRKACN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126968 sequence for NM_006823 edited (data generated by NextGen Sequencing) ATGACTGATGTGGAACTACATATGCAGATTTTATTGCTTCAGGAAGAACAGGTAGAAGA AATGCAATACATGATATCCTGGTTTCCTCTGCAAGTGGCAACAGCAATGAATTAGCCTTG AAATTAGCAGGTCTTGATATCAACAAGACAGAAGTGAAGAAGATGCACACGAAGTTCT ACAGAACAAGTGGGAAGCCCAGGGAGAAGCAGCAAAATCTGAAAGCTAA
5' Read Nucleotide Sequence:	Clone variation with respect to NM_006823.3 >OriGene 5' read for NM_006823 unedited TATACGACTCACTATAGGCGCGCCGCAATTTCGCACGAGGGAGCGGAGGCTGCTGCTGG CAGGTGGGGCGCGGGCCGCGGAGCTGACCGAGCACTCGGCGGGCGCGGGACTGCG GCCCGTGGCGGCGTGCAGGGGACCTGCGCTGACTAGGTCCGGGGAAGTTTCTGACTTT CTGAGAAGCCCTGGTTTCCCAAAGAAGTGATTCTGATAGAAATCTGAAGGTCATCTCC AAGAAAAAGAGATCTAGTATAGTCAATGAATTAAGACAAGAAGGTTTCCAATCAGTCC CTGCTATGTGGATATTTGGTAGCAATGACTGATGTGGAACTACATATGCAGATTTTATT GCTTCAGGAAGAAGGTAAGAAGAAATGCAATACATGATATCCTGGTTTCCTCTGCAAGT GGCAACAGCAATGAATTAGCCTTGAATTAGCAGGTCTTGATATCAACAAGACAGAAGGT GAAGAAGATGCACAACGAAGTTCTACAGAACAAGTGGGAAGCCAGGGAGAAGCAGCA AAATCTGAAAGCTAACACCCCACTTTGACCCTCGACCACCTGANAATGTCTCANATCT CCAGGAGTATCTGGAATGCATTTTGTTCATGAGTGAAGAGGAAAAAGAAAATGGGC TGTGCTGCATTGCANGAACCTGCTCATTATCATGTNTAAAAATGAGGGCAGAGGCTGTGG CTGCAGGCAGACTTTTTCCCTTACCTCTGTCATTAGCCNATGGNTGAAAATCATGTGGCT TTGGTGGTTTGGGCGTCAATTTGGATGGGATCCTTTACCTNGTCATATGACCAATGC TTATAGAGAGTAGCCTCGACCTAGAGGAAGAATCTTTCTGTAGCATCTTGGCCCTTACAT GTCCNAGGAATTAATTGGGGCAATTTTCGAGAGGGTGTGTTGAACCCCGAGTTAAATTTT
Restriction Sites:	NotI-NotI



[View online »](#)

ACCN:	NM_006823
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:	<u>NM_006823.2</u> , <u>NP_006814.1</u>
RefSeq Size:	2184 bp
RefSeq ORF:	231 bp
Locus ID:	5569
UniProt ID:	<u>P61925</u>
Cytogenetics:	8q21.13
Domains:	PKI
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a member of the cAMP-dependent protein kinase (PKA) inhibitor family. This protein was demonstrated to interact with and inhibit the activities of both C alpha and C beta catalytic subunits of the PKA. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) differs the in the 5' UTR, as compared to variant 2. Both variants encode the same protein. 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>