

hPKCalpha\_ORF -> Genes

DNA	sequence	2019	b.p.	ATGGCTGACGTT ... AGTGCAGTATGA	linear		
1	ATG GCT GAC GTT TTC CCG GGC AAC GAC TCC ACG GCG TCT CAG GAC GTG GCC AAC CGC TTC GCC CGC AAA GGG GCG					75	
1	M A D V F P G N D S T A S Q D V A N R F A R K G A					25	
76	CTG AGG CAG AAG AAC GTG CAC GAG GTG AAG GAC CAC AAA TTC ATC GCG CGC TTC TTC AAG CAG CCC ACC TTC TGC					150	
26	L R Q K N V H E V K D H K F I A R F F K Q P T F C					50	
151	AGC CAC TGC ACC GAC TTC ATC TGG GGG TTT GGG AAA CAA GGC TTC CAG TGC CAA GTT TGC TGT TTT GTG GTC CAC					225	
51	S H C T D F I W G F G K Q G F Q C Q V C C F V V H					75	
226	AAG AGG TGC CAT GAA TTT GTT ACT TTT TCT TGT CCG GGT GCG GAT AAG GGA CCC GAC ACT GAT GAC CCC AGG AGC					300	
76	K R C H E F V T F S C P G A D K G P D T D D P R S					100	
301	AAG CAC AAG TTC AAA ATC CAC ACT TAC GGA AGC CCC ACC TTC TGC GAT CAC TGT GGG TCA CTG CTC TAT GGA CTT					375	
101	K H K F K I H T Y G S P T F C D H C G S L L Y G L					125	
376	ATC CAT CAA GGG ATG AAA TGT GAC ACC TGC GAT ATG AAC GTT CAC AAG CAA TGC GTC ATC AAT GTC CCC AGC CTC					450	
126	I H Q G M K C D T C D M N V H K Q C V I N V P S L					150	
451	TGC GGA ATG GAT CAC ACT GAG AAG AGG GGG CGG ATT TAC CTA AAG GCT GAG GTT GCT GAT GAA AAG CTC CAT GTC					525	
151	C G M D H T E K R G R I Y L K A E V A D E K L H V					175	
526	ACA GTA CGA GAT GCA AAA AAT CTA ATC CCT ATG GAT CCA AAC GGG CTT TCA GAT CCT TAT GTG AAG CTG AAA CTT					600	
176	T V R D A K N L I P M D P N G L S D P Y V K L K L					200	
601	ATT CCT GAT CCC AAG AAT GAA AGC AAG CAA AAA ACC AAA ACC ATC CGC TCC ACA CTA AAT CCG CAG TGG AAT GAG					675	
201	I P D P K N E S K Q K T K T I R S T L N P Q W N E					225	
676	TCC TTT ACA TTC AAA TTG AAA CCT TCA GAC AAA GAC CGA CGA CTG TCT GTA GAA ATC TGG GAC TGG GAT CGA ACA					750	
226	S F T F K L K P S D K D R R L S V E I W D W D R T					250	
751	ACA AGG AAT GAC TTC ATG GGA TCC CTT TCC TTT GGA GTT TCG GAG CTG ATG AAG ATG CCG GCC AGT GGA TGG TAC					825	
251	T R N D F M G S L S F G V S E L M K M P A S G W Y					275	
826	AAG TTG CTT AAC CAA GAA GAA GGT GAG TAC TAC AAC GTA CCC ATT CCG GAA GGG GAC GAG GAA GGA AAC ATG GAA					900	
276	K L L N Q E E G E Y Y N V P I P E G D E E G N M E					300	
901	CTC AGG CAG AAA TTC GAG AAA GCC AAA CTT GGC CCT GCT GGC AAC AAA GTC ATC AGT CCC TCT GAA GAC AGG AAA					975	
301	L R Q K F E K A K L G P A G N K V I S P S E D R K					325	
976	CAA CCT TCC AAC AAC CTT GAC CGA GTG AAA CTC ACG GAC TTC AAT TTC CTC ATG GTG TTG GGA AAG GGG AGT TTT					1050	
326	Q P S N N L D R V K L T D F N F L M V L G K G S F					350	
1051	GGA AAG GTG ATG CTT GCC GAC AGG AAG GGC ACA GAA GAA CTG TAT GCA ATC AAA ATC CTG AAG AAG GAT GTG GTG					1125	
351	G K V M L A D R K G T E E L Y A I K I L K K D V V					375	
1126	ATT CAG GAT GAT GAC GTG GAG TGC ACC ATG GTA GAA AAG CGA GTC TTG GCC CTG CTT GAC AAA CCC CCG TTC TTG					1200	
376	I Q D D D V E C T M V E K R V L A L L D K P P F L					400	
1201	ACG CAG CTG CAC TCC TGC TTC CAG ACA GTG GAT CGG CTG TAC TTC GTC ATG GAA TAT GTC AAC GGT GGG GAC CTC					1275	
401	T Q L H S C F Q T V D R L Y F V M E Y V N G G D L					425	
1276	ATG TAC CAC ATT CAG CAA GTA GGA AAA TTT AAG GAA CCA CAA GCA GTA TTC TAT GCG GCA GAG ATT TCC ATC GGA					1350	
426	M Y H I Q Q V G K F K E P Q A V F Y A A E I S I G					450	
1351	TTG TTC TTT CTT CAT AAA AGA GGA ATC ATT TAT AGG GAT CTG AAG TTA GAT AAC GTC ATG TTG GAT TCA GAA GGA					1425	
451	L F F L H K R G I I Y R D L K L D N V M L D S E G					475	
1426	CAT ATC AAA ATT GCT GAC TTT GGG ATG TGC AAG GAA CAC ATG ATG GAT GGA GTC ACG ACC AGG ACC TTC TGT GGG					1500	
476	H I K I A D F G M C K E H M M D G V T T R T F C G					500	
1501	ACT CCA GAT TAT ATC GCC CCA GAG ATA ATC GCT TAT CAG CCG TAT GGA AAA TCT GTG GAC TGG TGG GCC TAT GGC					1575	
501	T P D Y I A P E I I A Y Q P Y G K S V D W W A Y G					525	
1576	GTC CTG TTG TAT GAA ATG CTT GCC GGG CAG CCT CCA TTT GAT GGT GAA GAT GAA GAC GAG CTA TTT CAG TCT ATC					1650	
526	V L L Y E M L A G Q P P F D G E D E D E L F Q S I					550	
1651	ATG GAG CAC AAC GTT TCC TAT CCA AAA TCC TTG TCC AAG GAG GCT GTT TCT ATC TGC AAA GGA CTG ATG ACC AAA					1725	
551	M E H N V S Y P K S L S K E A V S I C K G L M T K					575	
1726	CAC CCA GCC AAG CGG CTG GGC TGT GGG CCT GAG GGG GAG AGG GAC GTG AGA GAG CAT GCC TTC TTC CGG AGG ATC					1800	
576	H P A K R L G C G P E G E R D V R E H A F F R R I					600	
1801	GAC TGG GAA AAA CTG GAG AAC AGG GAG ATC CAG CCA CCA TTC AAG CCC AAA GTG TGT GGC AAA GGA GCA GAG AAC					1875	
601	D W E K L E N R E I Q P P F K P K V C G K G A E N					625	

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1876 TTT GAC AAG TTC TTC ACA CGA GGA CAG CCC GTC TTA ACA CCA CCT GAT CAG CTG GTT ATT GCT AAC ATA GAC CAG 1950
626 F D K F F T R G Q P V L T P P D Q L V I A N I D Q 650

1951 TCT GAT TTT GAA GGG TTC TCG TAT GTC AAC CCC CAG TTT GTG CAC CCC ATC TTA CAG AGT GCA GTA TGA 2019
651 S D F E G F S Y V N P Q F V H P I L Q S A V * 673
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