

Product datasheet for SC213033

PHKA2 (NM_000292) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PHKA2 (NM_000292) Human 3' UTR Clone
Symbol:	PHKA2
Synonyms:	GSD9A; PHK; PYK; PYKL; XLG; XLG2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000292
Insert Size:	1217 bp
Insert Sequence:	>SC213033 3'UTR clone of NM_000292

The sequence shown below is from the reference sequence of NM_000292. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTGCCCAATTCGGGCTGCCAGATGCAATAGGGTCTCACCTGGAACATGATCACACTCTCAATCTGTCA
CGTGCCCCCTAGCCTTACTGGGAACCTTCTGTCCCCAAGATCCCCTGTGCTATCAGGAAAGCATGTCC
CATCAGAAACACTCTCGGGGGCAATGGTAGCACTCACCTGAACTGATGTATGTTAAAGCCACAGAG
ATAGAGCTGAGGAGTCTGTGTTCCCCCGCAAGGAGCACCCCGGATCATTTTCTAGGTTCAATTTCTCT
GGAACATTTGCTGTAGCATCTGGTCTCACGGACTCTGAGGAGGAATTGGAATTGGTCTCTTTGAGTG
CAGAGGGAAGTGAACGCGCAGCTTAAATTGGCTCTTGACAGAGATTACAGAAATAGTTTCGATGAGCTA
GTGACACATCCTAAAGATGCAAAGATCCTCCTGGCGGCAGTAGCCTTGACAAGGGCCACCTTTCACAG
GATGCAGTCTGTCTGTGCACAAACTCTCACCAATAGAACACTTGTGTCTCTCTGTGGAATGGGGT
TTTCTTGTGCCTTGCTTGCTTTCATAGCCTTCCATTTTATTGGCATGGCTGCCTTGATGTAACATAATT
CTCTGTCCCCAAGATTTAGAAAATTCCTCTTCGTTACCTTGCTCATGGTCTCCAGGGTTTTATCC
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AAAAAAAAAAAAAGACAAGGCTCCTTTATAGCCAGGCAAGCAGTTGTTTAGGGCTAGACCTGTTGCC
CGCTCGCGTGGGTGAACGCCCGCAGTGGATACTGTCTCCTGTGCTCTGGGCGAGGCGTCATAGGGT
GAGCACAAGTCAGCAGTGCCATGGAAGTGAACAGGCATGTCCCCGAGAAACAATGCTTCCCTCTGAAA
AATAGAGCCAGGCTAGGAACCTGTACCCTCTTGGTAGAAGCACTTTGGTCTTCACTCTCTGGGTGGGT
GCAGTTGGAGGCACCGATTGGAGGAGAGCAAGGTTGAGTCAGGTGTGAGGCTCTGGCAAATCTTTTGCC
AATGCCCTAGCAATGGAGTTTCTCTCCGGCATTGTCTTACCTTGGGGGAAGGAAACAAAACCAATGGG
AAAACAGTTTCTGTAATAATAAACCTTAAAAGACAAATGCTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000292.3
Summary:	Phosphorylase kinase is a polymer of 16 subunits, four each of alpha, beta, gamma and delta. The alpha subunit includes the skeletal muscle and hepatic isoforms, and the hepatic isoform is encoded by this gene. The beta subunit is the same in both the muscle and hepatic isoforms, and encoded by one gene. The gamma subunit also includes the skeletal muscle and hepatic isoforms, which are encoded by two different genes. The delta subunit is a calmodulin and can be encoded by three different genes. The gamma subunits contain the active site of the enzyme, whereas the alpha and beta subunits have regulatory functions controlled by phosphorylation. The delta subunit mediates the dependence of the enzyme on calcium concentration. Mutations in this gene cause glycogen storage disease type 9A, also known as X-linked liver glycogenosis. Alternatively spliced transcript variants have been reported, but the full-length nature of these variants has not been determined.[provided by RefSeq, Feb 2010]
Locus ID:	5256
MW:	44.7