

Product datasheet for SC208214

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OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

PKM2 (PKM) (NM 182470) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: PKM2 (PKM) (NM_182470) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: PKM

Synonyms: CTHBP; HEL-S-30; OIP3; p58; PK3; PKM2; TCB; THBP1

ACCN: NM 182470

Insert Size: 651 bp

>SC208214 3'UTR clone of NM_182470 **Insert Sequence:**

The sequence shown below is from the reference sequence of NM_182470. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

AACACCATGCGTGTTGTTCCTGTGCCGTGATGGACCCCAGAGCCCCTCCTCCAGCCCCTGTCCCACCCC TAGGTTGGGACACCAGGGAAGAAGATCAACGCCTCACTGAAACATGGCTGTGTTTGCAGCCTGCTCTAG GACTGGAGCCCCTGGAGCCAGATGGCAAGAGGGTGACAGCTTCCTTTCCTGTGTGTACTCTGTCCAGT GTTAGGGGCCTTAGGGCACTGGGCTGTTGTTCCATTGAAGCCGACTCTGGCCCTTGCCCCTTACTTGCTT CTCTAGCTCTCTAGGCCTCTCCAGTTTGCACCTGTCCCCACCCTCCACTCAGCTGTCCTGCAGCAAACA CTCCACCTCCACCTTCCATTTTCCCCCACTACTGCAGCACCTCCAGGCCTGTTGCTATAGAGCCTACC

TGTATGTCAATAAACAACAGCTGAAGCACC

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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

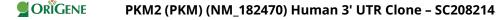
polymorphisms (SNPs).

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The Components:

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.





RefSeq: <u>NM 182470.4</u>

Summary: This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase

that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial

pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms

have been reported. [provided by RefSeq, May 2011]

Locus ID: 5315 **MW:** 23.7