

Product datasheet for **SC108619**

PKN beta (PKN3) (NM_013355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKN beta (PKN3) (NM_013355) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKN beta
Synonyms:	UTDP4-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_013355 edited
 ATGGAGGAGGGGGCGCCGCGCAGCCTGGGCCGAGCCAGTGGCCCCAGAGGATGAGAAG
 GAGGTGATCCGCCGGGCCATCCAGAAAGAGCTGAAGATCAAGGAGGGGTGGAGAACCTG
 CGGCGCGTGGCCACAGACCGCCGCACTTGGGCCATGTGCAGCAGCTGCTGCGGTCTCC
 AACCGCCGCTGGAGCAGCTGCATGGCGAGCTGCGGGAGCTGCACGCCGAATCTGTGTG
 CCCGGCCCTGGGCTGGCCAGCTGAGCCTGTGGCCTCAGGACCCCGCCGTGGGCAGAG
 CAGCTCAGGGCTCGGCACCTAGAGGCTCTCCGGAGGCAGCTGCATGTGGAGCTGAAGGTG
 AAGCAGGGGCTGAGAACATGACCCACACGTGCGCCAGTGGCACCCCAAGGAGAGGAAG
 CTCTGGCAGCTGCCAGCAGATGCTGCGGGACAGCCAGCTGAAGGTGGCCCTGTGCGG
 ATGAAGATCAGCAGCCTGGAGGCCAGTGGGTCCCCGAGCCAGGGCCTGAGCTGTGGCG
 GAGGAGCTACAGCATCGACTGCACGTTGAGGCAGCTGTGGCTGAGGGCGCCAAGAACGTG
 GTGAAACTGCTTAGTAGCCGGAACACAGGACCGCAAGGCACTGGCTGAGGCCAGGCC
 CAGCTACAGGAGTCTCTCAGAACTGGACCTCTGCGCCTGGCCTTGGAGCAGCTGCTG
 GAGCAACTGCCTCTGCCACCCCTTTCGCGCAGCAGAGTGACCCGAGAGTTGCGGGCTGCG
 GTCCCTGGATAACCCAGCCTTCAGGGACACCTGTGAAGCCACCGCCCTAACAGGGACA
 CTGCAGGTCCGCCTCTGGGCTGTGAACAGTTGCTGACAGCCGTCCCTGGGCGCTCCCA
 GCGGCCGCACTGGCCAGCAGCCCTCCGAGGGCTGGCTTCGGACCAAGGCCAAGCACCAAG
 CGTGGCCGAGGCGAGCTTGCAGCGAGGTGCTGGCTGTGCTAAAGGTGGACAACCGTGT
 GTGGGGCAGACGGGCTGGGGCAGGTGGCCGAACAGTCTGGGACCAGACCTTTGTCATC
 CCACTGGAGCGAGCCCGTGGAGACTTGGGGTACACTGGCGGGACTGGCGGCAGCTA
 TGTGGCGTGGCCTTCTGAGACTTGAGGACTTCTGGACAATGCCTGTACCAACTGTCC
 CTCAGCCTGGTACCGCAGGGACTGCTTTTTGCCCAGGTGACCTTCTGCGATCCTGTCA
 TTTGAGAGGGCCCGGCTGCAGAGGCAGGAACGCATCTTCTAAACCGCAGAGGCCAGGAC
 TTCTGAGGGCTTCGCAGATGAACCTCGGCATGGCGGCCCTGGGGCGCCTCGTCAATGAAC
 CTGCTGCCCCCTGCAGCTCCCCGAGCAATCAGCCCCCTAAAGGATGCCCTCGGACC
 CCAACAACACTGCAGAGGCTCTGACCCTGCCACTCCCAGTAATTTCTGCCAAGAAG
 ACCCCCTTGGGTGAAGAGATGACACCCCAACCAAGCCCCACGCCTCTACCTCCCCAG
 GAGCCAACATCCGAGGAGACTCCGCGCACCAACGTCCCATATGGAGCCTAGGACTCGA
 CGTGGGCCATCTCACCAGCCTCCCCACCAGGAAACCCCTCGGCTTCCAGGACTCCGC
 TGCTTAGCTGTGCTGGGCCGGGACACTTGGGAAGTCTCTGCTCCAGTTCAAGGGG
 ACAGGAAATACTACGCCATCAAAGCACTGAAGAAGCAGGAGGTGCTCAGCCGGGACGAG
 ATAGAGAGCCTGTACTGCGAGAAGCGGATCCTGGAGGCTGTGGGCTGCACAGGGCACCT
 TTCTGCTCTCCCTCCTTGCCTGCTTCCAGACCTCCAGCCATGCCTGCTTTGTGACTGAG
 TTTGTGCCTGGTGGTGCCTCATGATGCAGATCCACGAGGATGTCTTCCCCGAGCCCCAG
 GCCCGCTTCTACGTGGCTTGTGTGCTCCTGGGGCTGCAGTTCTTACACGAGAAGAAGATC
 ATTTACAGGGACCTGAAGTTGGATAACCTTCTGCTGGATGCCAGGGATTCTGAAGATC
 GCAGACTTTGGACTCTGCAAGGAAGGGATCGGCTTCGGGGACCGGACTAGCACCTTCTGT
 GGCACCCCGGAGTCTCTGGCTCCCGAGGTGCTGACCCAGGAGGCATACACAGGGCTGTG
 GACTGGTGGGGCTGGGTGTGCTGCTACGAGATGCTGGTGGGTGAGTGCCCGTTCCCA
 GGGGACACAGAGGAAGAGGTGTTTACTGATCGTCAACATGGACGCCCTACCCCGGC
 TTTCTGTCGGTGCAAGGGCTTGAAGTTCATTGAGGCTCCTCCAGAAGTGCCCGGAGAAG
 CGCCTCGGGGACAGGTGAGCAGGATGCCGAGGAGATCAAGGTCCAGCCATTCTTACAGGACC
 ACCAACTGGCAAGCCCTGCTCGCCCGCACCATCCAGCCCCCTTCGTGCCTACCTGTGT
 GGCCCTGCGGACCTGCGTACTTTGAGGGCGAGTTACAGGGCTGCCGCTGCCCTGACC
 CCACCTGCACCCACAGCCTCTCACTGCCCGCCAACAGGCCGCTTCCGGGACTTCGAC
 TTTGTGTCAGAGCGATTCTGGAACCTGA

Restriction Sites: Please inquire

ACCN: NM_013355

Insert Size: 3400 bp

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 clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_013355.3
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_013355.3, NP_037487.2</u>
RefSeq Size:	3385 bp
RefSeq ORF:	2670 bp
Locus ID:	29941
UniProt ID:	<u>Q6P5Z2</u>
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	Contributes to invasiveness in malignant prostate cancer.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).