

Product datasheet for **SC319443**

KPC2 (UBAC1) (NM_016172) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KPC2 (UBAC1) (NM_016172) Human Untagged Clone
Tag:	Tag Free
Symbol:	KPC2
Synonyms:	GBDR1; KPC2; UBADC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016172.2
 CCGCGACGGCGCCCCCGCGGCTGCTGCGGCGGGAGCGAGGCGACCGCTGAGGCC
 GCGGAGAGTGACGGCGCCCGGCGACGGGAGCCGGGGCGGGCGGCCAGCGAAGG
 AGCGCGGGGGCGGTCTGGCCCCGCCCTCCCCGCCGCTTCCCGGTGACCTTCAGGGG
 CCCGGGTGGCGGGCGCAGGCCCTGCGGCGGGCGGGATGTTCTGTGCAGGAGGAGAAGA
 TCTTCGCGGGCAAGGTGCTGCGGCTGCACATCTGCGCTCCGACGGCGCCGAGTGGTGG
 AGGAGGCCACCGAGGACCTCGGTGGAGAAGCTCAAGGAGCGCTGCCTCAAGCACTGTG
 CTCATGGGAGCTTAGAAGATCCCAAAAGTATAACCCATCATAAATTAATCCACGCTGCCT
 CAGAGAGGGTGTGAGTGATGCCAGGACCATCCTGGAAGAGAACATCCAGGACCAAGATG
 TCCTATTATTGATAAAAAAGCGTCTCCATCACCACCTCCCAAGATGGTGATGTCTCAG
 CAGAAGAAAAGAAAAACAAGACCAGAAAGCTCCAGATAAAGAGGCCATACTGCGGGCCA
 CCGCCAACCTGCCCTCTACAACATGGACCGGGCCGCGGTCCAGACCAACATGAGAGACT
 TCCAGACAGAACTCCGGAAGATACTGGTGTCTCTCATCGAGGTGGCGCAGAAGCTGTTAG
 CGCTGAACCCAGATGCGGTGGAATTGTTAAGAAGGCGAATGCAATGCTGGACGAGGACG
 AGGATGAGCGTGTGGACGAGGCTGCCCTGCGGCAGCTCACGGAGATGGGCTTCCGGAGA
 ACAGAGCCACCAAGGCCCTTTCAGCTGAACCACATGTGCGGTGCCTCAGGCCATGGAGTGGC
 TAATTGAACACGCAAGACCCGACCATAGACACGCTCTTCTTGCCAAAGCTCCCCCAG
 AGGCCGAGGGGGCCACAGCAGCTGCCTCCGAGGCTGCCGCGGGAGCCAGGCCACCGATG
 AGGAGGCCAGAGATGAGCTGACGGAAATCTTCAAGAAGATCCGGAGGAAAAGGGAGTTTC
 GGGCTGATGCTCGGGCCGTCAATTCCTGATGGAGATGGGGTTCGACGAGAAAAGAGGTGA
 TAGATGCCCTCAGAGTGAACAACAACCAGCAGAATGCCGCGTGCAGTGGCTGCTGGGGG
 ACCGGAAGCCCTCCTCCGGAGGAGCTGGACAAGGGCATCGACCCCGACAGTCTCTCTTTC
 AGGCCATCCTGGATAACCCGGTGGTGCAGCTGGGCCTGACCAACCCGAAAACATTGCTAG
 CATTGGAAGACATGCTGGAGAACCCTACTAACAGCACCCAGTGGATGAATGATCCAGAAA
 CGGGCCCTGTGATGCTGCAGATCTCTAGAATCTTCCAGACACTAAATCGCACGTAGGTGG
 CGTTGTTCCACTCGGCTATCAGGCCACAGCAGCCCTGGTGCGGCCGAGACCGGGCAG
 AGTGGACCTCACCTGAAACTCACCTTCAGCGCCTCAGCCCTGGACTGTTAGAGGTGCTG
 CAGCGGCTCCTGCTCTGATCTTATTGCTTATAAACTTTGGTGACGGTAGTGTGAAGG
 CCGTATTTTTAGCATCTGACAGGTGTTACAAAAAAGTGGTTGTCGCACTGGGAAGTGA
 GTGATGGCCTCGTCTCCAGTCTCCTCTGGGCTTTGAGTTGCTGCTTGAATTGCCGTGT
 AGACATTTGCTTGAGAGTCCACTTGTATTTGACGGAGGTAGGTTTCAACCCAGAGTTA
 ATGTCAAGCATGTAATTTAACTAGTCACTCACAGATGACTTTTTCTTAAATAAAGTCCCT
 TTTCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016172

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_016172.2 , NP_057256.2
RefSeq Size:	1877 bp
RefSeq ORF:	1218 bp
Locus ID:	10422
UniProt ID:	Q9BSL1
Cytogenetics:	9q34.3
Domains:	UBA, ST11
Protein Families:	Druggable Genome
Gene Summary:	Non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. Required for poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle.[UniProtKB/Swiss-Prot Function]