

Product datasheet for **SC322775**

PRKRIR (THAP12) (NM_004705) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRKRIR (THAP12) (NM_004705) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRKRIR
Synonyms:	DAP4; P52rIPK; PRKRIR; THAP0
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_004705, the custom clone sequence may differ by one or more nucleotides

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ATGCCGAACTTCTGCGCTGCCCCAACTGCACGCGGAAGAGCACGCAGTCCGACTTGGCCTTCTTCAGGT
TCCCGCGGGACCCTGCCAGATGCCAGAAGTGGGTGGAGAAGTGTAGGAGAGCAGACTTAGAAGATAAAAC
ACCTGATCAGCTAAATAAACATTATCGATTATGTGCCAAACATTTTGAGACCTCTATGATCTGTAGAAGT
AGTCCTTATAGGACAGTTCTTCGAGATAATGCAATACCAACAATTTTGATCTTACCAGTCAATTTGAACA
ACCCACATAGTAGACACAGAAAACGAATAAAAGAACTGAGTGAAGATGAAATCAGGACACTGAAACAGAA
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GGCTGATGAAATCCCAGAAGGTCTTTTACTCCAGATAACTTTCAGGCACTGCTGGAGTGTGGATAAAT
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AGCAGAGGCAGATGCTAGAGATCTGTGAGAGCTGTATTCGAGAAGAACTCTCAGGGAAGTGAGAGACTC
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AGGTTTGTGATGAATCTCATAACCTAAGAGAGGAATTTATAGGCTTCTGCCTTATGAAGCCGATGCGAG
AAATTTGGCTGTGAAATTTCACTATGATAACTGAGAAGTGGGGATTAATATGGAGTATTGTCGTGG
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TCTTTTACAAGAGCCTTTGGAAAAACCTCCAGGGGCAACCTCTGATGTCTTCTTTCGGCCGGTAGCT
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GGAAGCCACAAATTTGGCAACCAAACTTGATATCAAATGAACTCCCTGGGAAATTCGCGAGAGCTCAC
CAGGGTAACTTGAATCTCAGCTAACCTCTGAGAGTACTATAAAGAAACCTAAGTGTCCCAACAGTGG
AGCACATTATTCAGGAACCTAAAGATATATTCTCAGAACAGCACCTCAAAGCTCTTAAATGCTTATCTCT
GGTACCCTCAGTCATGGGACAACTCAAATCAATACGTCGGAGGAACACCATGCTGACATGTATAGAAGT
GACTTACCAATCCTGACACGCTGTGAGCTGAGCTTCATTGTTGGAGAATCAAATGGAAACACAGGGGGA
AAGATATAGAGCTCCGTCACCATCTATGAAGCCCTCCACCTGCCTGACATCAAGTTTTTCTAATGT
GTATGCATTGCTGAAGGTCTGTGATTCTTCTGTGATGAAGTTGAGAATGAGCGGTATGAAATGGA
CGAAAGCGTCTTAAAGCATATTTGAGGAACACTTTGACAGACCAAGGTCAAGTAACTTGGCTTTGCTTA
ACATAAATTTTGATATAAAACACGACCTGGATTTAATGGTGGACACATATATAAAGTCTATACAAGTAA
GTCAGAGCTTCTACAGATAATTCGAAACTGTGGAAAAACCTAA
    
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Restriction Sites: Please inquire

ACCN: NM_004705

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:	<u>NM_004705.2, NP_004696.2</u>
RefSeq Size:	3202 bp
RefSeq ORF:	2286 bp
Locus ID:	5612
UniProt ID:	<u>O43422</u>
Cytogenetics:	11q13.5
Domains:	DM3
Protein Families:	Druggable Genome
Gene Summary:	Upstream regulator of interferon-induced serine/threonine protein kinase R (PKR). May block the PKR-inhibitory function of DNAJC3, resulting in restoration of kinase activity and suppression of cell growth.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript.