

## Product datasheet for **SC324882**

### PRKRA (NM\_001139518) Human Untagged Clone

#### Product data:

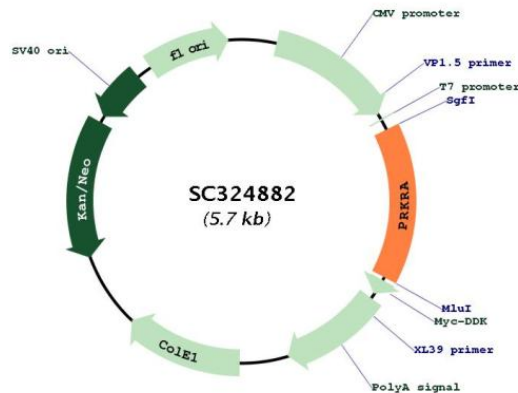
Product Type:	Expression Plasmids
Product Name:	PRKRA (NM_001139518) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRKRA
Synonyms:	DYT16; HSD14; PACT; RAX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324882 representing NM_001139518. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGATAACAGCTAAGCCAGGGAAAAACCGATTCAGGTATTACACGAATACGGCATGAAGACCAAGAAC
ATCCCAGTTTATGAATGTGAAAGATCTGATGTGCAAATACACGTGCCCACTTTCACCTTCAGAGTAACC
GTTGGTGACATAACCTGCACAGGTGAAGGTACAAGTAAGAAGCTGGCGAAACATAGAGCTGCAGAGGCT
GCCATAAACATTTTGAAGCCAATGCAAGTATTTGCTTTCAGTTCTGACCCCTTAATGCCTGACCCT
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AGACTTCTGAATATACCCTTTCCAGGAGGGAGGACCTGCTCATAAGAGAGAATACTACAATTTGC
AGGCTAGAGTCATTTATGGAACTGGAAAGGGGCATCAAAAAAGCAAGCCAAAAGGAATGCTGCTGAG
AAATTTCTTGCCAAATTTAGTAATTTTCTCCAGAGAACCACATTTCTTTAACAAATGTAGTAGGACAT
TCTTTAGGATGTACTTGGCATTCCCTTGAGGAATTCCTCTGGTGAAAAGATCAACTTACTGAAAAGAAGC
CTCCTTAGTATTTCCAAATACAGATTACATCCAGCTGCTTAGTGAAATTGCCAAGGAACAAGGTTTTAAT
ATAACATATTTGGATATAGATGAACTGAGCGCCAATGGACAATATCAATGTCTTGCTGAACTGTCCACC
AGCCCCATCACAGTCTGTATGGCTCCGGTATCTCCTGTGGCAATGCACAAAGTGATGCAGCTCACAA
GCTTTGCAGTATTTAAAGATAATAGCAGAAAGAAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001139518

**Insert Size:** 867 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 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:**

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\\_001139518.1](#)

**RefSeq Size:** 1627 bp

**RefSeq ORF:** 867 bp

<b>Locus ID:</b>	8575
<b>UniProt ID:</b>	<a href="#">O75569</a>
<b>Cytogenetics:</b>	2q31.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	31.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein kinase activated by double-stranded RNA which mediates the effects of interferon in response to viral infection. Mutations in this gene have been associated with dystonia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. This difference causes translation initiation at a downstream AUG and an isoform (3) with a shorter N-terminus compared to isoform 1.</p>