

## Product datasheet for **SC115623**

### **PARK7 (NM\_007262) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PARK7 (NM_007262) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARK7
Synonyms:	DJ-1; DJ1; GATD2; HEL-S-67p
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115623 sequence for NM_007262 edited (data generated by NextGen Sequencing)

```
ATGGCTTCCAAAAGAGCTCTGGTCATCCTGGCTAAAGGAGCAGAGAAATGGAGACGGTC
ATCCCTGTAGATGTCATGAGGCGAGCTGGGATTAAGGTCACCGTTGCAGGCCTGGCTGGA
AAAGACCCAGTACAGTGTAGCCGTGATGTGGTCATTTGTCCTGATGCCAGCCTTGAAGAT
GCAAAAAAAGAGGGACCATATGATGTGGTGGTTCTACCAGGAGGTAATCTGGGCGCACAG
AATTTATCTGAGTCTGCTGCTGTGAAGGAGATACTGAAGGAGCAGGAAAACCGGAAGGGC
CTGATAGCCGCCATCTGTGCAGGTCCTACTGCTCTGTTGGCTCATGAAATAGGTTTTGGA
AGTAAAGTTACAACACACCCTCTTGCTAAAGACAAAATGATGAATGGAGGTCATTACACC
TACTCTGAGAATCGTGTGAAAAAGACGGCCTGATTCTTACAAGCCGGGGCCTGGGACC
AGCTTCGAGTTTTCGCTTGAATTGTTGAAGCCCTGAATGGCAAGGAGGTGGCGGCTCAA
GTGAAGGCTCCACTTGTCTTAAAGACTAG
```

Clone variation with respect to NM\_007262.4



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_007262 unedited  
 TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGGTACCCAACGGGCCG  
 GGGCGCCGCGTCCGCAGGAAGAGGCGCGGGGTGCAGGCTTGTAACATATAACATAAAAA  
 TGGCTTCCAAAAGAGCTCTGGTCATCCTGGCTAAAGGAGCAGAGGAAATGGAGACGGTCA  
 TCCCTGTAGATGTCATGAGGCGAGCTGGGATTAAGGTCACCGTTGCAGGCCTGGCTGGAA  
 AAGACCCAGTACAGTGTAGCCGTGATGTGGTCATTTGCCTGATGCCAGCCTTGAAGATG  
 CAAAAAAGAGGGACCATATGATGTGGTGGTTCTACCAGGAGGTAATCTGGGCGCACAGA  
 ATTTATCTGAGTCTGCTGTGAAGGAGATACTGAAGGAGCAGGAAAACCGGAAGGGCC  
 TGATAGCCGCCATCTGTGCAGGTCTACTGCTCTGTTGGCTCATGAAATAGGTTTTGGAA  
 GTAAGGTTACAACACACCCTCTTGCTAAAGACAAAATGATGAATGGAGGTCATTACACCT  
 ACTCTGAGAATCGTGTGAAAAAGACGGCCTGATTCTTACAAGCCGGGGCCTGGGACCA  
 GCTTCGAGTTTGCCTTGAATTTGTAAGCCCTGAATGGCAAGGAGGTGGCGCTCAAG  
 TGAAGGCTCCACTTGTCTTAAAGACTAGAGCAGCGAACTGCGACGATCACTTAGAGAAA  
 CAGGCCGTTAGGAATCCATTCTCACTGTGNTCGCTCTAAACAACAGTGNANGTTTATGTG  
 TTCAGAAGTCGCTGTCTTACTACTTTGGCGNAGTNTGGGAGTCACACTACCAGAGATTT  
 CTACCTACAATTGTGTCTATACTTTCTAGGCCTTGNTGCAGAATAAACAGGNCATTTAG  
 CNNNNNAAAAANNAANNAANNAANNAANNA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_007262 unedited  
 GGGGGGGGGTGGTGTNTATTNAATATTTTACATATCAAACNNNGGANNGTGNAGGAC  
 GCCTGTTTTATCCTGTTTTACAGGGNCTTANAATGTATAGACACAATTTGTAGGGCTGAN  
 AAATCTCTGTGTAGTTGTGACTTCCATACTTCCGAAAAATAGTAAGGACAGCGACTTCTG  
 AACACATTAACCTACCACTGTTTTGTTTAGAGCGAACACAGTGAGAATGGATTCCTAACG  
 GCCTGTTTCTCTAAGTGATCGTCGAGTTCGCTGCTCTAGTCTTTAAGAACAAGTGGAGC  
 TTCACTTGAGCCGCCACCTCCTTGCCATTAGGGCTTCAACAATTGCAAGCGCAAACCTC  
 GAAGCTGGTCCCAGGCCCGGCTTGAAGAATCAGGCCGCTTTTTTCCACACGATTCTC  
 AGAGTAGGTGTAATGACCTCCATTATCATTTTTGTCTTTAGCAAGAGGGTGTGTTGTAAC  
 TTTACTTCCAAAACCTATTTTATGAGCCAACAGAGCAGTAGGACCTGCACAGATGGCGGC  
 TATCAGGCCCTTCCGGTTTTCTGCTCCTTCAGTATCTCCTTACAGCAGCAGACTCAGA  
 TAAATTCATGTCGCCCCAGATTACCTCCTGGTGAACCACCATCATATGGTCCCTCTTT  
 TTTTGCATCTTCAAGGCTGGCATCAGGACAAATGACCACATCACGGCTACACTGTACTGG  
 GTCTTTTCCAGCCAGGCCTGCAACGGTGACCTTAATCCCAGCTCGCCTTATGACATCTAC  
 AGGGATGACCGTCTCCATTTCCCTCTGCTCCCTTAGCCAGGATGACCACCAGCTCTATTT  
 GGAACCCATTTTTATGTTATATGTTTACAAAGCCTGCACCCCGCGCCTTTTTCTGCCGAC  
 GCGGTGCCCGCCGCTTGGGTACCACCCTCCTGCCCTAATTAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_007262

**Insert Size:**

1000 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).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007262.3</a> , <a href="#">NP_009193.2</a>
<b>RefSeq Size:</b>	906 bp
<b>RefSeq ORF:</b>	570 bp
<b>Locus ID:</b>	11315
<b>UniProt ID:</b>	<a href="#">Q99497</a>
<b>Cytogenetics:</b>	1p36.23
<b>Domains:</b>	DJ-1_PfpI
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Protein Pathways:</b>	Parkinson's disease
<b>Gene Summary:</b>	<p>The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>