

## Product datasheet for RN217724

### Lrrk1 (NM\_001191624) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrk1 (NM_001191624) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217724 representing NM_001191624 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTGCCGTGTCACAGCGACCACCCAGTATGTACTGGTGTGTGGGACAGAAGGATCAGTTGTGTGTC  
CAGGGCCTGCCATGGAGACCCATAATGGTGCCGAAGACATGGGCAGCAAAGTGTCTTTACCAGTGGCAA  
CTCCCCAGTGCAGAGCCCAACATGGAAGAAATCCACACAGCATACAAGCAGAGAAACCTCTCCCGAGCC  
CGGGACCTGCTCAGGGAAGTTTGTGAAGAGAGCGAATCCCCACAGGAAAAGGGCCAGTTGCTGAGCATCT  
CAGCAGCCACGGGGATCTAGAGACCGTTCGGTTCCTGCTCACTGAGAAGCGCGTGGAGCTGCCGATGGA  
GCCACCGATGACAACCCAGCTGTGGTGGCAGCGCATTTTGGACATGCTGAAGTAGTACAGAAATTGCTG  
GAGTCCTTATCAGGTCCCTGTGCCTCGCAGCGGCTGCTGAACTGGATGCTGGCCCTGGCTTGCCAGCGAG  
GGCACCTGGAGGTTGTGAAGCTGCTGGTCTGACGCACGGGGCTGACCCGGAGAAGTACGCCGTGAGGAA  
GAATGAGTTCGGGTCAATGTGAGGTTGCCCTTACGCGGCCATCAAGGCAGGGAATGAAGACATTGCC  
ATATTCTGCTTCGGCACGGGGCCTATTTCTGCTCCTACATCCTATTGGATAGCCCTGACCAAGCAAAC  
ATCTGCTCAGGAAGTATTTTCATCGAGGCCAGCGCCCTGCCAGCAGCTGTCCCGGAAAACCGCACTTTG  
TGTGAAATGGTCCCATCTTAAGTTGCCCTGGGTGGACCTCGACTGGCTCTTAGACATCTCCTGTGAGATC  
ACAGAGCTTGACCTCTCTGCCAACTGCCTGCTTCTCTCCCTCCATCATTCTTGGGGACTGATCAATC  
TGAAGAAGCTGAACCTCTCAAACAACCACTGGGGGAGCTGCCCTGTGTGCAATCATCGGACGAAATCAT  
CTGCTCCAGGTTAGTTGAAATCGACATCTCCAGTAACAAACTGTCCCACCTCCCGCTGGATTCTTGAC  
CTCTCAAACTTGAAAGGCTGACTGCTTCAAAAATACTGGAGCGGTTGTTTGAAGAAGAAAATGCCA  
CAAAGTGGATCGGCTGCGGAAGCTGGAGGAACCGACCTAGCTGACAACAGACTGACGGAGCTCCCTGT  
CCAATTTATGCACTCCTCAAGTCTCTACCAATCTGAATGTCTCCAGGAACAGCCTCAAGAGCTTTCCA  
GACCCCTGGTCTGCCCTGAAATGTTGTAAGCCTCAAAAATGCTCTGGAATCGCTGCCAGACAAAA  
TGGCCGTCTTCTGAAAAACCACTCAGGACGTTGATTTCTCCGAGAAGTCTCTGAAAGCGGTGCCCT  
GGGGTTTTTCAACTTGATGCCCTCATGTTCTTGGAGTTACAGGAAAACCTGCTGTTGTCACTGCCACAT  
CATGAGAAGTGGACCTGCAGACAACTCAAGACCTGGACCTCTCCAGAAACCAACTTGGCAAAAATGAAG  
ATGGGCTTAAACAAGCGGATCTCCCTTTTACCACCAGAGGGCCAGCGTTCTGGAAGTGGACAGC  
GTCCGTGCTAGAATCCAGCTTTTCTAAGCGAGTCTTTGGAGGTCCTTTGTCTGAATGACAACCATCTT



[View online »](#)

GATGCAGTTCCTCCGTCAGTCTGCCTGCTGAAGAACCTCTCAGAGCTCTACTTGGCAATAACCCTGGTCTCCGAGAGCTCCCTCCGGAGCTAGGCCAGCTGGGAAACCTCTGGCAACTGGACATTGAAGATCTGAACATGGCAACGTGCCTGCAGAGGTGAGGAAAGAGGCCAAAAGCAACGCTGTCTTCTGCGTGTCTCAGCTGCGAAAAGCAGAGAAGTGTAACTGATGAAGATGATCCTCGTGGGCCCCACGCCAGGGCAAGTCCACACTCCTGGAGATCTTACAGACAGGGAAGGCCCGCAGCCAGCACACAGCGAAGCCACTGTGAGGACCACCAATGGGAGCTCCAGAGACCAGCAGGCTCCAAAGCCAAGGTTGAGTCTGTGGAGTTCAACGTTGGGACATCGGGCCCTGCCAGCATGGCCACAGTCAATCAGTGTCTTTCACAGATAAGGCCCTATATGTGGTGTGGAACCTGGCCCTGGGGGAAGAAGCTGTGGCCAACCTCCAGTTCTGGCTTCTCAACATTGAGGCCAAGGCCAAAACGCCGTTGTGCTGGTGGTGGGACACATCTGGACCTTATCGAAGCTAAATTCAGTAGAGAGGATCGCAACACTGCGTGCCTACGTGCTGGCCCTCTGCCGCTCACCATCGGGGTCCAGAGCTACAGGATTCCAGACATCACTTTCAAACACTTGCACGAGATCTCCTGCAAGAATCTGGAAGGCAGGAGGGGCTGAGGCAACTGATCTTCCATGTACGTGCAACATGAAGGACGTGGGCAGCACTATCGGCTGTCAAAAACCTGCTGGCAGGCTGATCCCCAGGAGTACATAAGCCTACAGGAGGCTGTGCTGGTGAACAACAGCGCCGAGCCTGGAAGATCAAGTACAGTACCTGACGGACAGGCAGCTGGAGCAGCTGGTGGAGCAGACGCTGGCAATGACATCAAAGACTATGAGGACCTGCAGTCTGCCATCAGCTTCTCATAGAAACCGGAACCCTGCTGCACTTCCAGACAGGCCATGGCCTAAGGAATCTCTACTTCTGGATCCCATCTGGCTCTCTGAATGCCTACAGAGGATCTTTAATATCAAGGGCTCGCGGTGCGTGGCGAAGAATGGGGTATCCGAGCAGAGGACCTCAGGATGCTGCTGGTGGGACAGGCTTACGCAGCAGACGGAGGAGCAATACTTCCAGTTCTTGGCAAGTTCCAGATTGCCCTTCCGGTGGCAATGACAGTTACCTCCTACCACACCTCCTCCCATCCAAACCTGGGCTGGACACCCACAGCATGCGGCACCCAAATGGCTAACACCATCCAGCGGGTGTAAAGATGAGCTTCGTGCCTGTTGGCTCTGGCAAAGGTTTCATAGCACGGATGTGATCAGCTTGGCTGAGATGGACCTGCAGTTTTTGAACAACAGAGAATACGAAAAGCAGGAACCGGAAAGTCAACATTTACAGCTTTACAGGGAACCAGAGAAAACCGCTGCACATTCAGAGTCCGAAGGAATCAGACCATCTACTGGCAGGAAGGGCTGCTGGTCACTTCGATGGGGCTACCTCAGTGTGGAATCCTCAGACGTGAACCTGGAAAAAGAAAAAAGCGGAGGGATTAATAATCGTCTGCAGTCAGAAATGAGGGACTTCTCAGCAATGGCTTTTATCAGACACCAGTCAACTCCCTGATCGACCAGTGGTTCCCCGCCCTGACAGCCACAGAAAAGTACGGGACCCCACTTATGGAGCAGTATGTGCCCTGCCCGCTCTGTGAAGCATCCTGGGCCAGCATGCAGATCCAAACGAGAGGTGCGAGAGCGTGCAGTACTTCGATATGGAAGATTGTGCTCACAGCCATTGAAGGGAACCTCATCTCCTGCCCCAGACACCCAGACCTCCAGTGCACCTTCCAGGAGCTGTACCAGAGCTGTTTATGACTGACTTCCAGCCAGGCTTTTCTGGAGAACAGCAAGCTGGAGCACACAGAGGGTGAGAACAGCATCCTGGCCAAAGGTGGCAGTGGCACAGTCACTACCAGGCCAGTACCAGGGCCAGCCTGTGGCTGTGAAGAGATTCCACATCAAGAAGTCAAGAATTCTGTAATGCCCGGCAGACACCATGCTGAGGCACCTGAGAGCCATGGATGCCATGAAGAATCTCTCGGATTTCCGTAGGAGGCCAGCATGCTGCATGCCTTGACGACCCCTGCATTGTGTCACCTCATCGGCATCAGCATCCACCCCTCTGCTTCGCCCTGGAGCTCGCCCCGCTGGGCAGCCTCAACACTGTGCTGTCTGAGAATGCCAAAGATTCTCTTTATGCCCTGGGACACATGCTCACCCAAAAAATAGCCTACCAGATTGCCTCGGGCCTGGCCTACCTGCACAAGAAGAACATCATCTTGTGACCTCAAGTCAAGCAACATCCTGGTGTGGTCACTGAGCGTCAAGGAGCTCATCAACATCAAAGTGTGAGACTACGGCATCTCGAGGCAGTCTTTCACGAGGGGCCCTGGGTGGAGGGCACCCAGGCTACCAGGCTCCAGAGATCAGGCCCTCGCATTGTGTATGACGAGAAGGTAGACATGTTCTCCTATGGCATGGTGTGTATGAGCTGCTCTCAGGACAGCGTCTGCGCTGGGCCACCACCAACTCAGATTGTCAAGAAGTTGTCCAAGGGCATCCGCCAGTGTCTGGGCAGCCAGAGGAAGTCAATCTATCGACTGCAGGCGCTCATGATGGAGTGTGGGACACGAAAGCCGAGAAAGCGTCCCCTGGCCCTGTCTGTGGTGGCCAGATGAAAGACCCAACTTCCGACCTTATGTACATGCTGCCCTGTGGGAAGCAGTCTGCTTCTCATCCCAGAGCCAGGAGTACTGTGGTGTCTGGGATGGGAAGGAGGAGTCAAGGAATTACACGGTGGTCAACACCGAGAAGGGCCTTCTGGAAGTACAGAGGATGACCTGTCTGGGATGAAGTGTGAGCTGTCAAGGTTCCAGAGCTCAGTGTGGCTAGCCACCGAGGACCAGAAAATCTATATCTACAGCCTTAAGGGTATGTGCCATTAAGCATGCCACGAGGCCCTGGACACGCGGCTGTTGTACCTGTTTCTTGGCAGTACTGTTATTAAGAAAGAACTCCTTTCTGGTGTGGCTGGCCTGGCTGATGGACTCGTGGCTGTGTTTCTATGGCAGGGGCACCCAAAAGAAAGCTGCTCCTACCTGTGCTCGCACACAGCCAACAGGTCCAAGTCTGCTATCCCAGACGAAGACTCACGGCAGAACCCCTACCCAGTGAAGGCAATGGAAGTGGTCAACAGCGGGTCTGAGGTCTGGTACAGCAATGGGCCAGGCCTCCTCATCATCGACTGTGCCATCCTGGACATCAGCAGGCGGCTGGAGCCCTATGCAGCCCCATCTGTGGTACATCACTTGTGTGCAGCTCAGACTGCAGAGGAGAGGAGACAGTCTGGTGCCTGGACGACAAGGGCAATTCCTTAGTGATGTACCATTACGCCACCTACCAGCTGTGTGCC

```
GGTACTTCTGCGGGGACCCAGTCTCTCAGGGACACGTTTTCTGTACAGCCCTCAGTCCCAGAAAGCCC
AATCCGTCACATAACCACCTCAAAGGAGCCTGAGGAAGAGTGCATCGCCGACGTGAGCATCATGTACAGC
GAGGAGCTGGGCATGCAGATCCTCACCCACCAGGACTCGCTCACTGACTACTGCTCCGTATCCTCGTACT
CATCCACACCCCAACCAGACCCCAAGTCCCCACCAGCCTGCCAGCTCCCTCACCAGCTATTCCAGTGT
GCCTTTTCCGCCAATTATGAAGACCCAGACAGGCTGCAGGAGCCAGCGTCACCCTGACAGAAGTGCAG
AAGACCTCATTGGGTCCCTAGACATGGTGGAGATATCATTGTTCATCGGCCTGGAGAAGGATTCGGGTGC
CCAGCGGGCAGGTCATCGCTGTTTTAAAGCCAGAGAGCTCAATCCGCATGGGGTCTGGTGGATGCG
GCAGTGGTGGCAAAGGACACCGTAGTGTGCGGCTTTGCAAACGAAAACACAGAGTGGTGCCTGGCTGCT
GGAGGGGCTGGGGCGCCAGGGAGTTGACATCTTCTACCAGTCTATGAGGAGCTGGGCCGCTGGAGGC
GTGTCCTCGAAGAGAAGTAA
```

```
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001191624
<b>Insert Size:</b>	6042 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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>	<u>NM_001191624.1, NP_001178553.1</u>
<b>RefSeq Size:</b>	6445 bp
<b>RefSeq ORF:</b>	6042 bp
<b>Locus ID:</b>	308703
<b>Cytogenetics:</b>	1q22