

Product datasheet for SC125508

LRRK1 (NM_024652) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRK1 (NM_024652) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRK1
Synonyms:	RIPK6; Roco1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024652 edited
 GTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATT
 TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACCCAGGGGAGCTCCAGAGGCC
 GGCTGGCTCAAGAGCCAAGGTTGAGTCCGTGGAGTTCAACGTCTGGGACATCGGGGGACC
 GGCCAGCATGGCCACTGTCAACCAGTGCTTCTTACGGACAAGGCCCTGTACGTGGTGGT
 CTGGAACCTGGCGCTGGGGGAGGAGGCCGTGGCCAACCTCCAGTCTGGCTGCTCAACAT
 CGAGGCCAAGGCCCAACGCCGTGGTGGTGGTGGTGGGACGCACCTGGATTTAATTGA
 AGCCAAGTTCGTGTGAAAGGATTGCAACGCTGCGTGCCTATGTGCTGGCACTTGCCG
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 CAGTTTTACAGGAAACCAGAGAAATCGCTGTAGCACATTCAGAGTGAAAAGAAATCAGAC
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 GTGGTTTCCCGCCTGACGGCCACAGAGAGCGACGGGACGCCACTCATGGAGCAGTACGT



GCCCTGCCCGGTCTGCGAGACAGCCTGGGCCAGCACACGGACCCAGTGAGAAATCAGA
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 GGGCCAGCCTGTGGCCGTCAAGCGCTTCCACATCAAAAAATCAAGAACTTTGCTAACGT
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 GGGGATTTATGGATACAACAGCAAAACATTTTATAAACTATGCACATGCATTACACACATG
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 GGGGCTCCTTAAACCAGAATGGGAGTTTAAAAGAGAGATCATACTCCAGCTGAAGTTTGT
 TGACCCTTTTCTAAAATAAAAAGATCAAATTTAGTATTTGCTGGATATGCAGGGAGATG
 AGACTCTTTAATCTCAAATAAACAGATTCTTTCAAGAAAAAAAAAAAAAAAAAAAAA
 CGACTCTAGATTGCGGCCGGTTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCC
 TGTGACCCCTCCCAGTGCCT

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024652 unedited
 TTACCATCAGAGAACTACTATAGGGCTTCCGCGAATTCGGCACCAGGGGAGCTCCAGAG
 GCCGGCTGGCTCAAGAGCCAAGTTGAGTCTTTTAGTTCAACGTTGGGACATCGGGGA
 CCGGCCAGCATGGCCACTGTCAACCAGTCTTCTCACGGACAAGGCCCTGTACGTGGTG
 GTCTGGAACCTGGCGCTGGGGGAGGAGGCCGTGGCCAACCTCCAGTTCTGGCTGCTCAAC
 ATCGAGGCCAAGGCCCAACGCCGTGGTGTGGTGGTGGGACGCACCTGGATTTAATT
 GAAGCCAAGTTCGGTGTGAAAGGATTGCAACGCTGCGTGCCTATGTGCTGGCACTCTGC
 CGCTCCCCCTCCGGCTCCAGGGCCACAGGCTTCCAGACATCACCTTCAAACACTTACAT
 GAGATTTCTGCAAGAGCCTGGAAGGTCAGGAAGGGCTGCGACAGCTGATTTTCCACGTC
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 CCGGACGACGACGTGCAGTACCTGACGGACAGGCAGCTGGAGCAGCTGGTGGAGCAGACG
 CCCGACAACGACATCAAGGACTACGAGGACCTGCAGTCAGCCATCAGCTTCTCATAGAA
 ACCGGCACCTGCTTCATTTTCCGACACCAGCCACGGCCTGAGGAACCTCTACTTCTC
 GACCCTATTTGCCTCTCCGATGTCTGCAGAAGATCTTTAATATAAGGCTCTCGTCAGTGC
 CAANAATGGGTGATCAGACAGAAGACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024652 unedited
 CATTGGGNGATGGCAACTTNCAGNCCAGNAAAGCACTGGGGNAGGGTCACAGGGAT
 GCCACCCGGGATCTGTTCCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTT
 TTTTTTTTTTTTTTTTCTTGAAGAATCTGTTATTTTGGAGATTAAGAGTCTCATCT
 CCCTGCATATCCAGCAAATACTAAATTTGATCTTTTAAATTTTGAAGAAAGGGTCAACAAA
 CTTGAGCTGGAGTATGATCTCTCTTTCAAACCTCCATTCTGGTTTAAAGGAGCCCAAGG
 GTAACCTTTGACAAAAAGTGGCTATGTTTGCACATGTGTGTGCATATGTGTGTGCATGT
 GTGTAATGCATGTGCATAGTTTATAAAATGTTTGTGTTGTATCCATAAATCCCCTGTGG
 ACAACGTTCCTTTTCGTACTCCGCTGTACACGTGTGCATTGAATGTTTAGCAAATACATA
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 ACTGAATTTTTAAAGTGATAAACAAGATTATTATGTGCAAACAAACAGGGCCTGTGCTC
 CAGCTGCGTCAAATTTACTTGACAAAGCTATAAACACAAGGCCCTTTCTGAAGTCTGCTC
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 TCGGACTGTGTGCTCTGGGCTTGTGGCGGTGGCACTTAAAGGACTCATTCAATCTCTG
 GATGGGGCAACACTCCTAATCGGGGATCCCAAGGGCTTTCCACCCGGAGACCTTTCCG
 TACACAA

Restriction Sites:

Please inquire

ACCN:

NM_024652

Insert Size:

5600 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).
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_024652.2 , NP_078928.2
RefSeq Size:	5370 bp
RefSeq ORF:	3933 bp
Locus ID:	79705
UniProt ID:	Q38SD2
Cytogenetics:	15q26.3
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	This gene encodes a multi-domain protein that is a leucine-rich repeat kinase and a GDP/GTP binding protein. The encoded protein is thought to play a role in the regulation of bone mass. Mice lacking a similar gene showed severe osteopetrosis, increased bone mineralization and decreased bone resorption. [provided by RefSeq, Jan 2017]