

Product datasheet for **SC324677**

LRRC2 (NM_024750) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC2 (NM_024750) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC2
Synonyms:	leucine-rich repeat-containing 2; leucine rich repeat containing 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024750.2
 AAAGAGGAGAACCTCCGCTTACCACAGCCGGTAGAAATGCCTGAGGAAAGCAGCGGAGC
 TGACCGTGCCAGCATTTACACAGGGAACACTTCTTGGGCAGCCAGGTGTCATGGGGCACA
 GACCCACAGTTCTCGAGAATGAACAGGTAATTTTCATGCTCCCAAAATGGGACATAAAGTG
 GTTGTCTTCGACATTTCTGTCATCAGAGCCTTGTTGGGAACTCGTGTCAAGAAGCAGCAAA
 GCTTGGCAGAAGAAGGAGGTGGAAGGCTTGAGAAGAGCGCCTTGAGAAGATAAAGGAG
 GAGTGGAACTTTGTGGCCGAATGCAGGAGGAAGGCATCCCCAGGCTGTATACTGCAAG
 AATGGCTTCATAGACACCAGCGTGGGCTTCTGGACAAGATTGAAAGGAACACTCTCACA
 AGGCAGAGTTCACCTCCCAAGGACAGAGGCAACGGAGCAGTGCCTTTGTGTTTGAACCT
 TCTGGGGAGCACTGGACGGAGCTCCAGATTCAATTGAAGGAGCAGACACCTGAGAGAA
 TGGTACATAAGCAATACCTTGATTCAAATCATTCTACATATTCAGTTATTTCAAGCG
 ATGAGAATTCTGGATCTGCCAAAAACCAATCTCACATCTCCAGCAGAAATCGTTGT
 TTGAAGAACCTGAAAGAACTCAATGTGGGTTTCAACTATCTGAAGAGCATTCTCCAGAA
 TTGGGAGATTGTAAAACTAGAGAGACTGGATTGTTCTGGAATCTAGAATTAATGGAG
 CTGCCCTTTGAATTAAGTAATTTGAAGCAAGTTACATTTGTAGATATCTCAGCAACAAG
 TTTTCCAGTGTCCAATCTGTGTCTGCGGATGTCGAATTTGCAGTGGTTGGATATCAGC
 AGCAATAACCTGACCGACCTGCCCAAGATATAGACAGGCTAGAGGAGCTGCAGAGCTTT
 CTCTTGATATAAAACAAGTTGACCTACCTTCCCTATTCCATGCTGAACCTGAAGAAGCTC
 ACTCTGTTAGTCGTGAGTGGGACCATTTGGTGGAGCTCCCAACTGCCCTTTGTGACTCA
 TCCACACCTTTAAATTTGTAAGCCTTATGGACAATCCTATTGATAATGCCCAATGTGAA
 GATGGCAATGAAATAATGGAAAGTGAACGGGATCGCCAACATTTTGATAAAGAAGTTATG
 AAAGCCTATATTGAAGACCTTAAAGAAAGAGAATCTGTTCCAGCTATACCACCAAGTG
 TCTTTTAGCCTTCACTTTGATATCCATCAGAAGACTGCAATCTCACTATTCTCTGGAG
 CTATATATAAATCTTTGTTATGATCATGTCATATAGGAAGAATGGCTTGTGCTTAAGGAC
 AAAGTCTAGAAACCACTATCATAGTTGCTAAAAAAATGTTTTCAAATGTCAAATACAT
 GAGTATCTCCCTCCATGGACTGGAGAATTGAAAAATTGGTTTGTATATTGATATTCCAG
 GTTCATTTGCATATACTTTTTTCCAAATAATGCACATTTAATATGTTTTAAATGTCTTA
 TTTTAAAGAAATTAACTAAAAGCCCAATACTGAAGTTAAGTGCATTGTTTTAGGAAT
 CAAAAGATAAAGGGCCGGGTGTGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGC
 CGAAGTGGGTGGATCACCTGAGTCCGGAGTTCGAGGCTGGTTTGGCCAGCATGGCGAAA
 CCCCATCTCTACTAAAAATACAAAAAATTAGCTGGGCATGGTGGCAGTTGCCTGTAATCC
 TAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTTGAACCTGGGAGGTGGAGTTGCAGTG
 AGCCGAGATCATGGGACTGCACTCCAGCCTGGGTGACAGAGCCAGACTCTGTCCCAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024750

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:	<u>NM_024750.2, NP_079026.2</u>
RefSeq Size:	1946 bp
RefSeq ORF:	1116 bp
Locus ID:	79442
Cytogenetics:	3p21.31
Domains:	LRR, LRR_TYP, LRR_PS
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the leucine-rich repeat-containing family of proteins, which function in diverse biological pathways. This family member may possibly be a nuclear protein. Similarity to the RAS suppressor protein, as well as expression down-regulation observed in tumor cells, suggests that it may function as a tumor suppressor. The gene is located in the chromosome 3 common eliminated region 1 (C3CER1), a 1.4 Mb region that is commonly deleted in diverse tumors. A related pseudogene has been identified on chromosome 2. [provided by RefSeq, Sep 2011] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.