

Product datasheet for **SC310473**

LRRC2 (NM_024512) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC2 (NM_024512) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310473 representing NM_024512. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGACATAAAGTGGTTGTCTTCGACATTTCTGTCATCAGAGCCTTGTGGGAAACTCGTGTCAAGAAG
CACAAAGCTTGGCAGAAGAAGGAGGTGGAAAGGCTTGAGAAGAGCGCCTTGGAGAAGATAAAGGAGGAG
TGGAACTTTGTGGCCGAATGCAGGAGGAAGGCCATCCCCAGGCTGTATACTGCAAGAATGGCTTCATA
GACACCAGCGTGGCGCTTCTGGACAAGATTGAAAGGAACACTCTACAAGGCAGAGTTCACCTCCCAAG
GACAGAGGCAAACGGAGCAGTGCCTTTGTGTTGAACTTTCTGGGAGCACTGGACGGAGCTCCAGAT
TCATTGAAGGAGCAGACACACCTGAGAGAATGGTACATAAGCAATACCTTGATTCAAATCATTCCCTACA
TATATTACAGTTATTTCAAGCGATGAGAATTCTGGATCTGCCAAAAAACC AAATCTCACATCTTCCAGCA
GAAATCGGTTGTTTGAAGAACCTGAAAGAACTCAATGTGGGTTTCAACTATCTGAAGAGCATTCCCTCCA
GAATTGGGAGATTGTGAAAATCTAGAGAGACTGGATTGTTCTGGAAATCTAGAATTAATGGAGCTGCC
TTTGAATTAAGTAATTTGAAGCAAGTTACATTTGTAGATATCTCAGCAAACAAGTTTTCCAGTGTCCCA
ATCTGTGTCTGCGGATGTCGAATTTGCAGTGGTTGGATATCAGCAGCAATAACCTGACCGACTGCCG
CAAGATATAGACAGGCTAGAGGAGCTGCAGAGCTTCTCTGTATAAAAAACAAGTTGACCTACCTCCC
TATTCATGCTGAACCTGAAGAAGCTCACTCTGTTAGTCGTGAGGGGACCATTTGGTGGAGCTCCCA
ACTGCCCTTTGTGACTCATCCACACCTTTAAAATTTGTAAGCCTTATGGACAATCTATTGATAATGCC
CAATGTGAAGATGGCAATGAAAT AATGGAAAGTGAACGGGATCGCAACATTTTGATAAAGAAGTTATG
AAAGCCTATATTGAAGACCTTAAAGAAAGAGAATCTGTTCCAGCTATACCACCAAAGTGCTTTTAGC
CTTCAACTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN:	NM_024512
Insert Size:	1116 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:	<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:	<u>NM_024512.4</u>
RefSeq Size:	5137 bp
RefSeq ORF:	1116 bp
Locus ID:	79442
UniProt ID:	<u>Q9BYS8</u>
Cytogenetics:	3p21.31
Domains:	LRR, LRR_TYP, LRR_PS
Protein Families:	Druggable Genome
MW:	42.9 kDa
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]