

Product datasheet for **SC111325**

LRRC8E (NM_025061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC8E (NM_025061) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC8E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_025061, the custom clone sequence may differ by one or more nucleotides

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ATGATCCCAGTGGCCGAGTTCAAGCAGTTCACGGAACAGCAGCCTGCGTTCAAGGTGCTCAAACCCTGGT
GGGACGTGCTGGCCGAGTACCTCACCGTGGCCATGCTCATGATTGGGGTCTTTGGCTGCACCCTCCAGGT
GACACAGGACAAGATCATCTGTCTACCCAATCATGAGCTCCAGGAGAATTATCAGAGGCCCGTGCCAG
CAATTGCTGCCTCGGGGATCCCTGAGCAGATTGGGGCCCTGCAGGAGGTTAAAGGCCTTAAGAACAATT
TGGACCTGCAGCAATACAGCTTTATTAACCAGCTGTGTTATGAGACGGCCCTGCACTGGTATGCCAAGTA
CTTCCCTTACCTCGTGGTCATTACACACTCATCTTCATGGTCTGCACCAGTTTCTGTTCAAGTCCCT
GGCACCAGCTCCAAGATTGAACACTTCATCTCCATCCTGGGCAAGTGTTCGACTCTCCATGGACCACCA
GGGCCCTATCCGAGGTATCCGGGAGAAACAGAGGGCCAGCAGCCACCGAAGGGCTGCGGCCACCAT
AGTGGCCATGGCAGGGACCGGGCCGGGAAGGCAGGGGAGGTGAGAAGGAGAAAGTGTGGCGGAACCG
GAGAAGGTGGTGACCGAGCCTCCAGTTGTACCCCTGTTGGACAAGAAGGAGGGTGAGCAAGCCAAAGCCC
TGTTTGAGAAGGTGAAGAAGTTCGCGATGCACGTGGAAGAGGGCGACATCCTGTACACCATGTACATCCG
ACAGACGGTGCTGAAAGTGTGTAAAGTTCCTGGCCATCCTGGTCTACAACCTGGTCTATGTGGAGAAGATC
AGTTTCCTGGTGGCCTGTAGGTGGAGACGTGAGAGGTACGGGCTACGCCAGCTTCTGTGCAACCACA
CCAAGGCCACCTCTTCTCCAAGCTGGCCTTCTGTTACATCTCCTTTGTGTGCATCTACGGACTTACCTG
CATCTACACGCTCTACTGGCTCTTCCACCGGCCCTCAAGGAGTACTCCTTCCGTTCCGTGCGGGAGGAG
ACTGGCATGGGGGACATTCTGACGTCAAGAATGACTTCGCCCTTCATGCTGCACCTCATCGATCAGTACG
ACTCCCTCTACTCAAGCGCTTCGCCGTCTTCTGTCCGAGGTGAGCGAAAGCCGTCTAAAGCAGCTCAA
TCTCAACCACGAGTGGACGCCGAGAAGCTTCGACAGAAGCTGCAGCGCAATGCCGCGGGCCGGCTGGAG
CTGGCCCTCTGCATGCTGCCGGTCTGCCCGACACCGTCTTTGAGCTCAGTGAGGTGGAGTCACTCAGGC
TGGAGGCCATCTGCGATATCACCTTCCCCCGGGGCTGTACAGCTGGTGCATTCAGGAGCTCAGCTT
GCTCCACTCGCCCGCAGGCTACCTTCTCCTTGAGGTCTTCTGCGGGACCACTGAAGGTGATGCGC
GTCAAATGCGAGGAGCTCCGCGAGGTGCCGCTTTGGGTGTTTGGGCTGCGGGGCTTGAGGAGCTGCACC
TGGAGGGGCTTTTCCCCAGGAGCTAGCTCGGGCAGCCACCTGGAGAGCCTCCGGGAGCTGAAGCAGCT
CAAGGTGTTGTCCCTCCGGAGCAACGCCGGAAGGTGCCAGCCAGTGTGACCGACGTTGCTGGCCACCTG
CAGAGGCTCAGCCTGCACAACGATGGGGCCGCTGTTGGCTGAACAGCCTCAAGAAGCTGGCGGCAT
TGCGGGAGCTGGAGCTGGTGGCCTGCGGGCTGGAGCGCATCCCCATGCAGTGTTACGCTGGGTGCGCT
GCAGGAATTGACCTCAAGGACAACCACTGCGCTCCATCGAGGAAATCCTCAGCTTCCAGCACTGCCGG
AAGCTGGTCACGCTCAGGCTGTGGCACAACCAAGATCGCCTACGTCCCTGAGCACGTGCGGAAGCTCAGGA
GCCTGGAGCAGCTCTACCTCAGCTACAACAAGCTGGAGACCCTGCCCTCCAGCTCGGCCTGTGCTCAGG
CCTCCGCTGTGCTGGATGTGTCCCAATGGGCTACACTCCCTGCCACCCGAGGTGGGCTCCTGCAGAAC
CTACAGCACCTGGCCCTCTCTACAATGCCCTGGAGGCCCTGCCCGAAGAGCTCTTCTTCTGCCGAAGC
TGCGGACGTTGCTTCTGGGCGACAACCACTGAGCCAGCTCTCGCCCCACGTGGGTGCCCTCAGAGCCCT
CAGCCGCTGGAGCTCAAAGGCAACCGCTTAGAGGCGCTGCCAGAAGAACTTGGCAACTGTGGGGGGCTC
AAGAAGGCGGGGCTCCTGGTGAAGACACGCTTACCAGGGTCTGCCGGCAGAAGTGCGGGACAAGATGG
AGGAGGAATGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_025061 unedited <pre> GTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCGGNGAGAACCAGAA GGGCCCAGCAGCCACCGAACGGGCTGCGGCCACCATAGTGGCCATGGCAGGGACCGGGCC GGGGAAGGCAGGGGAGGGTGAGAAGGAGAAAGTGCTGGCGGAACCGGAGAAGGTGGTGAC CGAGCCTCCAGTTGTCAACCTGTTGGACAAGAAGGAGGGTGAGCAAGCCAAAGCCCTGTT TGAGAAGGTGAAGAAGTCCGCATGCACGTGGAAGAAGGCGACATCCTGTACACCATGTA CATNCGACAGACGGTGCTGAAAAGTGTGTAAGTTCCTGGCCATTCTGGTCTACAACCTGT CTATGTTGAGAAGATCAGTTNNNCTTTGGNCTGTAAGGTGGAGACCTCAGAAGTCACCGG CTACGCCAGATTTTGCTGGAACACACCAAAGGGCAACTCTTTTCAAGCTTGGCTCNTG TACATATCCTTGTGTGCATATACGGAATTACTGGTATACAGCTCTATTGGGTCTTTAC CAGGCCTAAAGAGTACTTCTTTCTGTTCTGCGGNAGAGACTGGCATGGGGACAATTCTG ACGTCAGAATGACTTTNCTCATGCTGCACTCATGATTAAGAGACTACTTATTCTACAC TTTTNCGTTTTCTTTCAAGTATCGAAAACGCCTAAAAGCTTCATATCACACCATTGGGC CCCCAGAGATTTACAAAATTTAAACCATCCGGGCCCGGTTGAGATTGCCTTGATATTTT GGGTTGCAGACCGTTTGACTAAGGGGGGAGTCACTAGCTGAGCATCTGGATTCACTTCC CCGGGTGTACAGTGTGCACTGAGACTCAGTTGTCATCGNCGCAGCTACTTNTCTGAGTTT CTGNGACACTGAGTGATCCGCATGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_025061
Insert Size:	3000 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:	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_025061.3 , NP_079337.2
RefSeq Size:	3625 bp
RefSeq ORF:	2391 bp
Locus ID:	80131
UniProt ID:	Q6NSJ5
Cytogenetics:	19p13.2
Domains:	LRR
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a member of a small, conserved family of proteins with similar structure, including a string of extracellular leucine-rich repeats. A related protein was shown to be involved in B-cell development. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]

Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 2 encode the same protein (isoform 1).