

Product datasheet for SC111553

LRRC51 (NM_145309) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC51 (NM_145309) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC51
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111553 sequence for NM_145309 edited (data generated by NextGen Sequencing) <pre> ATGAACAAACGGGACTATATGAACACTTCGGTACAGGAGCCCCCTCTTGACTACTCCTTC AGAAGCATCCACGTCATTCAAGATCTGGTAAATGAGGAGCCAAGGACAGGACTACGACCA CTGAAGCGTTCAAAGTCGGGAAATCACTGACCCAGTCCCTGTGGCTGAATAACAATGTT CTCAATGATCTGAGAGACTTCAACCAGGTGGCTTCACAGCTGTTGGAGACCCAGAGAAC CTGGCCTGGATCGACCTGTCCTTTAATGACCTGACTTCCATTGACCCTGTCCTAACAAC TTCTTCAACCTGAGTGTCTCTATCTTCACGGCAACAGCATCCAGCGCCTGGGGGAGGTG AATAAGCTGGCTGTCCTTCCTCGGCTCCGTAGCCTGACACTCCATGGGAACCCCATGGAG GAAGAGAAAGGTATAGGCAATATGTGCTGTGCACCCTGTCCCGTATCACCACGTTGAC TTCAGTGGGGTCACCAAAGCAGACCGCACACAGCTGAAGTCTGGAACGCATGAACATC AAGCCCAAGAAGCCTGGACCAAGCAGAATACACTTTGA </pre> Clone variation with respect to NM_145309.3


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145309 unedited <pre> NCCGTTCAAATATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGAAAG CGACTGCGGGGNANNTATTTCCATTTTAACCGGNNAACAATCCCTGNAACCCACAGGA ATGAATGCCTAATGGTGGAGTTTCAGCCATCAGTGACAGGCTGAACCCAGACTCCCAGGG CACCTGCTTGACCTTTGAATGATGGCCTGAACTATGAACAAACGGGACTATATGAACAC TTCGGTACAGGAGCCCCCTCTTGACTACTCCTTCAGAAGCATCCACGTCATTCAAGATCT GGTAAATGAGGAGCCAAGGACAGGACTACGACCACTGAAGCGTTCAAAGTCGGGGAAATC ACTGACCCAGTCCCTGTGGCTGAATAACAATGTTCTCAATGATCTGAGAGACTTCAACCA GGTGGCTTCACAGCTGTTGGAGCACCCAGAGAACCTGGCCTGGATCGACCTGTCCTTTAA TGACCTGACTTCCATTGACCCTGTCCTAACAACTTTCTTCAACCTGAGTGTCTCTATCT TCACGGCAACAGCATCCAGCGCTGGGGGAGGTGAATAAGCTGGCTGTCCTTCTCGGCT CCGTAGCCTGACACTCCATGGGAACCCCATGGAGGAAGAGAAAGGTATAGGCAATATGT GCTGTGACCCCTGTCCCGTATCACCACGTTGACTTCAGTGGGGTACCAAAGCAGACCG CACCACAGCTGAAGTCTGGAACGCATGAACATCAAGCCCAAGAAGGCCTGGACCAAGCA GAATACACTTTGAGGCTCCACGACCCTAGTAGTCCTAAAGGCCTAAGCATAGACAGCAT GGTTTGACAATAAATAATTTGAGCTGTTGAGCAGATGAGAAGTCACTTACACCTGTAGA GATGTTCTCTAACTCAGCACTGCAAGTAGCN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145309
Insert Size:	2250 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_145309.1 , NP_660352.1
RefSeq Size:	2130 bp
RefSeq ORF:	579 bp
Locus ID:	220074
UniProt ID:	Q96E66
Cytogenetics:	11q13.4
Domains:	LRR

Gene Summary:

This locus represents naturally occurring readthrough transcription between the neighboring LRRC51 (leucine-rich repeat containing 51) and TOMT (transmembrane O-methyltransferase) genes on chromosome 11. The readthrough transcript encodes a fusion protein that shares sequence identity with each individual gene product. Multiple reports implicate mutations in this gene in nonsyndromic deafness.[provided by RefSeq, Feb 2021]

Transcript Variant: This variant (1, also known as A) represents the short transcript form. It encodes the longest isoform (LRTOMT1a) of the leucine-rich repeat (LRR)-containing protein. This protein is supported by Western blot as reported in PMID:18953341.