

Product datasheet for SC330938

LRRC51 (NM_001271471) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LRRC51 (NM_001271471) Human Untagged Clone
Tag: Tag Free
Symbol: LRRC51
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330938 representing NM_001271471.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAACAAACGGGACTATATGAACACTTCGGTACAGGAGCCCCCTCTTGACTACTCCTTCAGAAGCATC
 CACGTCATTCAAGATCTGGTAAATGAGGAGCCAAGGACAGGACTACGACCACTGAAGCGTTCAAAGTCG
 GGGAAATCACTGACCCAGTCCCTGTGGCTGAATAACAATGTTCTCAATGATCTGAGAGACTTCAACCA
 GTGGCTTCACAGCTGTTGGAGCACCCAGAGAACCTGGCCTGGATCGACCTGTCTTTAATGACCTGACT
 TCCATTGACCCGTCTAACAACCTTTCTCAACCTGAGTGTCTCTATCTTCACGGCAACAGCATCCAG
 CGCCTGGGGGAGGTGAATAAGCTGGCTGTCCTTCCTCGGCTCCGTAGCCTGACACTCCATGGGAACCC
 ATGGAGGAAGAGAAAGGGTATAGGTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271471

Insert Size: 441 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.


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RefSeq: [NM_001271471.2](#)

RefSeq Size: 2930 bp

RefSeq ORF: 441 bp

Locus ID: 220074

UniProt ID: [Q96E66](#)

Cytogenetics: 11q13.4

MW: 16.8 kDa

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 (8, also known as C) represents the short transcript form. It lacks a splice junction in the 3' region, which results in a longer transcript and immediate translation termination, compared to variant 1. The encoded isoform (LRTOMT1d) is a LRR-containing protein, but is truncated at the C-terminus, compared to isoform LRTOMT1a. This protein is supported by Western blot as reported in PMID:18953341. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.