

Product datasheet for SC108151

LETMD1 (NM_015416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LETMD1 (NM_015416) Human Untagged Clone
Tag:	Tag Free
Symbol:	LETMD1
Synonyms:	1110019O13Rik; HCCR; HCCR-1; HCCR-2; HCCR1; HCCR2; HCRR-2; SLC55A3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108151 sequence for NM_015416 edited (data generated by NextGen Sequencing) <pre> ATGGCGCTCTCCAGGGTGTGCTGGGCTCGGTGGCTGTGTGGGGCTCGGCAGTCACCCCT GGACATTTTGTACCCCGAGGCTGCAACTTGGTCGCTCTGGCCTGGCTTGGGGGGCCCT CGGTCTTCAAAGCTTCACCTTTCTCAAAGGCAGATGTGAAGAACTTGATGTCTTATGTG GTAACCAAGACAAAAGCGATTAATGGGAAATACCATCGTTTCTGGGTCGTCATTTCCCC CGCTTCTATATCCTGTACACAATCTTCATGAAAGGATTGCAGATGTTATGGGCTGATGCC AAAAAGGCTAGAAGAATAAAGACAAATATGTGGAAGCACAATATAAAGTTTCATCAACTT CCATACCGGGAGATGGAGCATTTGAGACAGTTCGCCAAGACGTCACCAAGTGCTTTTC CTAGGTATTATTTCCATTCCACCTTTTGCCAACTACCTGGTCTTCTTGCTAATGTACCTG TTTCCCAGGCACTACTGATCAGGCATTTCTGGACCCCAAAACAACAACTGATTTCTTA GATATCTATCATGCTTTCCGGAAGCAGTCCACCCAGAAATTATTAGTTATTTAGAAAAG GTCATCCCTCTCATTTCTGATGCAGGACTCCGGTGGCGTCTGACAGATCTGTGCACCAAG ATACAGCGTGGTACCCACCCAGCAATACATGATATCTTGGCTCTGAGAGAGTGTTTCTCT AACCATCCTCTGGGCATGAACCAACTCCAGGCTTTGCACGTGAAAGCCTTGAGCCGGGCC ATGCTTCTCACATCTTACCTGCCTCCTCCCTTGTGAGACATCGTTTGAAGACTCATACA ACTGTGATTACCAACTGGACAAGGCTTTGGCAAAGCTGGGGATTGGCCAGCTGACTGCT CAGGAAGTAAATCGGCTTGTATCTCCGTGGCCTGAATTCTACGCATATTGGTGAAGAT AGGTGTCGAACCTGGCTGGGAGAATGGCTGCAGATTTCTGCAGCCTGAAAGAAGCTGAG CTGTCTCTTGTGTCACAACGTGGTCTGCTCTCCACCAACTACCTGGGACAAGGCGC TGA </pre> Clone variation with respect to NM_015416.4 250 g=>a


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015416 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGCGAAATCGGCACGAGGGCGCTCTCCAGGTGT
 GCTGGGCTCGGTCGGCTGTGTGGGGCTCGGCAGTCACCCCTGGACATTTTGTACCCGGA
 GGCTGCAACTTGGTCGCTCTGGCTGGCTTGGGGGGCCCTCGGTCTTCAAAGCTTCACC
 TTTCTCCAAAGGCAGATGTGAAGAACTTGATGTCTTATGTGGTAACCAAGACAAAAGCGA
 TTAATGGGAAATACCATCGTTTCTTGGGTCGTCAATTTCCCGCTTCTATATCCTGTACA
 CAATCTTCATGAAAGGATTGCAGATGTTATGGGCTGATGCCAAAAGGCTAGAAGAATAA
 AGACAAATATGTGGAAGCACAAATATAAAGTTTCATCAACTTCCATACCGGAGATGGAGC
 ATTTGAGACAGTTCGCCAAGACGTACCAAGTGTCTTTCTAGGTATTATTTCCATT
 CACCTTTTGCCAACTACCTGGTCTTCTTGTAAATGTACCTGTTTCCAGGCACTACTGA
 TCAGGCATTTCTGGACCCCAAAACAACAACTGATTTCTTAGATATCTATCATGCTTTCC
 GGAAGCAGTCCCACCCAGAAATTATTAGTTATTTAGAAAAGGTATCCCTCTCATTCTG
 ATGCANGACTCNCGTGGCGTCTGACAGATCTGTGCACCAAGATACAGCGTGGTACCCACC
 CAGCATACATGATATCTTGGCTCTGAGAGAGTGTCTCTAACCATCCTCNTGGCATGAA
 CCAACTNCAGGCTTTCACGTGAAAAGCCTTGAGCCGGNCCATGCTNCTACAATCTACC
 TGCTCTCCTNCCTTGNTGAGACATCGNTGAAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015416 unedited
 GTACCGCGGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTACAGGTTTCA
 AGCAGTCTTTACTTGGGTTTAAAAACAGTGCTTCATGCATTTACAATAAGTTATTACAGA
 ACTCTAAGTCACTGATGCACACACAAAAGCTAAACCCAACTTACTAACTATGCAGACCTC
 TCCTGATCTCCCCAGGCTGGGCAGTAATTAGTACCTTACAGGTGTGATCCATGGCCAGA
 GAAGGCAGCCACTGTCAGTTACAGTTGGACTGCTGCATCACAGTGAGGCAGCAGAGTTG
 AAGATCCACAGAGGGCTGTAATACAGCCAGAAAAGACAAATGGAGAGTGAAGGCTAGAAA
 CATTGAGGAAGGGTCAAGAAGCACTTGTACTTCTGTTATCTTTTCCAATAGAATATTC
 CTGCAAGTTACCCATCAGAAAAAGGTGTTGAGAGGTTTGAAAAAGAAGTGGTTAGCCCA
 TGCCAGTGAAGGTGACAAAAACAAAACAACTGATTTTTTGGTCATATCAGAAAGGATGG
 AGGGAAACACCAAGTACATGCACGGACACAAGTGCTCCAGCCAAAGGAGTGCTGTTTTT
 ACCAGCCACAAATTTTCTAACAGCAACAACAAAACCCACAGATGTAAGTAACATGGAAG
 TGGATCAGTCCTAAGCCAAATAAGGATTCACCTGGGGCANAAGCTGACTTCTAGGAC
 ATGAAGTGAACACATCACAGTAAAAGCCAGTAGAAGCTGCTGCCAGNTCCAGCTATTAG
 TAATTATGAGGGGGACAGGATGACACCTCACACGGNACCACCCCTAGCAGAAGGGGTTTG
 TTNCAGTTNCTAACTGTGANAAGGAAATGTCTGCAGTCCACAGGTGTGCCATGCTGGGA
 AACCCATGGGCCCTGTTCTTTTTTTGGCTCCAAC

Restriction Sites:

NotI-NotI

ACCN:

NM_015416

Insert Size:

2150 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:	<u>NM_015416.1, NP_056231.1</u>
RefSeq Size:	1637 bp
RefSeq ORF:	303 bp
Locus ID:	25875
UniProt ID:	<u>Q6P1Q0</u>
Cytogenetics:	12q13.12
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a mitochondrial outer membrane protein. It has a potential role in tumorigenesis, which may result from negative regulation of the p53 tumor suppressor gene. Alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Aug 2011] Transcript Variant: This variant (1) represents the predominant protein-coding transcript, and encodes isoform a (also known as HCCR-1 or 1).