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Product datasheet for MC228657

Lrit3 (NM_001287224) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrit3 (NM_001287224) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrit3
Synonyms:	Gm421
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC228657 representing NM_001287224
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCTCTCGGCCTGCCTGTGCCTTGTGCTTAGCTTCCTGGGAGGAGTGAACGGTACCTGCCCTTCTC
AGTGCTCCTGTGAGTATCACGGCAGACATGACGGCTCAGGATCAAGGTTAGTGTTGTGTAACGACCTGGA
TATGAACGAAGTCCCAGCAAACTTCCCCGTGGACACCTCGAAGCTTCGCATAGAGAAGACTGTGGTCCGC
AGGCTCCCCGCCGAGGCCTTCTACTACCTGGTGGAGCTGCAGTACCTCTGGCTGGCTTACAACTCAGTGG
CCAGCATAGAAACCAGTAGCTTCTATAACCTGAGGCAGCTGCACGAGTTGCGTTTGGATGGGAATTCTCT
GACCGCTTTCCCTTGGGTGTCTCTGCTGGACATGCCCCACCTGAGGACGCTGGACTTACACAATAACAGA
ATAGCCAGTGTGCCAAACGAGGCGGTCAGATATCTGAGGAACCTCACCTGCTTGGACTTGTCGAGCAACC
GACTGACCACGCTGCCACCAGATTTCCTAGACAGCTGGTCTCATTTAGCCGTGACACCGTCTAGAAGCCC
GGACTTTCCACCGAGAAGAATTATTCTTGGTTTGCAGGACAACCCCTGGTTCTGTGACTGTCACATTTCC
AAGGTGATCGAGCTGTCGAAAGTCACCGACCACGCTGTTGTTCTTCTTGATCCTCTGATGGTCTGCAGTG
AACCCGAGCGCTTCCAAGGAATCTTGTTCCAGAGGGTAGAGTTGGAAAAGTGTCTGAAGCCGTCCGTGAT
GATGTCAGCTACCAAAATCACATCTGCTCTGGGTAGTAATGTTCTGCTGAGATGTGATGCCAAGGGTCAC
CCCACCCCACAGCTGACGTGGACCAGATCCGACGGCTCCACAGTTAACTATACAGTAATTCAGGAGTCTC
CAGGAGAAGGCATCAGATGGTCCATCATAAGCTTGACCAGCATCTCTCACAAGGATGCTGGGGATTACAG
GTGTAAAGCCAAAAATCTGGCAGGGATTTCGGAAGCTGTGGTTACTGTGACAGTTGTTGGTGGTGTTACG
ACCACCCTATCACCAGACAGTTCAGAAAGAAGTCCTGGAGAGCCCCCTGAGCAGCATCCCCAGCCAGGAT
TAGGAGGATCAACACCTCCATCTAAATCCTGGTTATCACCCGGGCTCACTTCCGCTCCTTCCTACCCCAC
CCCCTCAGCAGCTCTCTATACATCTACGTGGTCCCCTCCTCCCTCCTCCTTGCCTCCCATCTTCTCAGCT
GCTTCTGCAACCACCAGTGTACAAACCAGCATCTCAGGACGCACCGCCAGGACTAGCCACCAGCCACCCC
TGCTCCACCCCGGTGGGAAAAGCAATGCGAAGATAGAGAAGAACGGAAGGAAGTTTCCTCCGCTCAGCGC
AAGTAAGAAAGAAGAGTTGGCGTTGTTGGATCAGGCAGCGCCAATGGAAACAAACGTCACTATCAAAGAC
CTCAGGGTGGCCCGTGAAACCGGCGTGAGTGTGACTCTGATGTGGAACAGCAGCAGCAGCACACAAGAGT
CCTCTGTGACTGTGCTGTATTCTAAGTACGGTGAGAAGGACCTGCTGTTAGTGAATGCAGACGACTATGG
CAAGAACCAGGCAACCATAAATGGCCTAGAGCCCGGAAGTCAGTATGTGGCATGTGTCTGTCCAAAAGGA
GTGGGTCCCCGGGAGGATCTGTGTATCACCTTTTCTACCAACAGAGTTGAGGGGCGTGGCTCACAGTGGT
CATTGCTCCTCGTGGTGACCAGTACTGCCTGTGTTATAGTCGTGCCCCTAATTTGTTTCTTATTATATAA
AGTCTGCAAATTGCAATGCACATCGGACCCTTTCTGGGAAGAGGATTTGTCAAAAGAGACATATATCCAA
TTTGAGACCCTGTCACCCAGGTCACAGAGTATAGGGGAGCTCTGGACCCGGAGGCACAGAGACGATGGCG
AGAGGTTGCTGCTATGCTCCCAGTCAAGTGTGGACTCCCAGATGAATCTTAAGAGCGATGGCTGTAGGAC
GGAGTATTATGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001287224

Insert Size: 2046 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001287224.1, NP_001274153.1
RefSeq Size:	2046 bp
RefSeq ORF:	2046 bp
Locus ID:	242235
UniProt ID:	W8DXL4
Cytogenetics:	3 G3
Gene Summary:	Required in retinal ON-bipolar cells for normal localization of the cation channel TRPM1 at dendrite tips (PubMed:25997951). May also have a role in cone synapse formation (PubMed:25997951). Might facilitate FGFR1 exit from the endoplasmic reticulum to the Golgi (By similarity). Could be a regulator of the FGFRs (By similarity).[UniProtKB/Swiss-Prot Function]