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Product datasheet for SC100131

LRRC25 (NM_145256) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC25 (NM_145256) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC25
Synonyms:	MAPA
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC100131 sequence for NM_145256 edited (data generated by NextGen Sequencing)

ATGGGGGGCACCCTGGCATGGACGCTGCTGTTGCCGCTGCTGCTGCGGGAGTCAGACAGC
CTAGAACCGTCGTGCACCGTGTCCTCCGCGGATGTGGACTGGAACGCGGAGTTCAGTGCC
ACGTGCCTGAATTTCAGTGGCCTCAGCCTGAGCCTGCCTCACAACCAGTCTCTGCGGGCC
AGCAACGTGATTCTCCTTGACCTGTCTGGGAACGGCCTGCGAGAGCTTCCAGTGACCTTC
TTTGCCCACCTGCAGAAGCTTGAGGTCCTGAACGTGCTACGCAACCCCTTGTCTCGTGTG
GATGGGGCGCTGGCCGCCCGCTGTGACCTTGACCTGCAGGCCGACTGCAACTGTGCCCTG
GAGTCCTGGCACGACATCCGCCGAGACAACTGCTCTGGCCAGAAGCCTCTGCTCTGCTGG
GACACAACCAGCTCCCAGCACAACCTCTCTGCCTTCCTGGAGGTCAGCTGCGCCCCTGGC
CTGGCCTCTGCAACTATCGGGGCAGTGGTGGTCAGCGGGTGCCTGCTTCTTGGACTTGCC
ATCGCTGGCCCTGTGCTGGCCTGGAGACTCTGGCGATGCCGAGTGGCCAGAAGCCGGGAG
CTGAACAAACCCTGGGCTGCTCAGGATGGGCCCAAGCCCGGTTTAGGCTTGCAGCCACGG
TACGGCAGCCGGAGCGCCCCCAAGCCCCAAGTGGCCGTGCCATCCTGCCCCTCCACTCCC
GACTATGAGAACATGTTTGTGGGCCAGCCAGCAGCCGAGCACCAGTGGGATGAACAAGGG
GCTCACCCTTCAGAGGACAATGACTTTTACATCAACTACAAGGACATCGACCTGGCTTCC
CAGCCTGTCTACTGTAACCTGCAGTCACTGGGCCAGGCCTCAATGGATGAAGAGGAGTAC
GTGATCCCCGGGCACTGA

Clone variation with respect to NM_145256.2
880 c=>t

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145256 unedited
GGAATTTGTAAACGACTTACTATAGGGNNCGGCCGCGNNAATTCGGCACGAGGGAACGCC
AGCGACCCCAGCAGCGCTGCGGACGGTGCTGGCCGTGGCCGCTGCGGCCCCCGTGTCCAG
GTGGGCCAGGACGCAGCCTCTGGGCGCCGTCGCTTTTCCAGCATCGCAGAGGCAAAAGCG
TGGCAGTGGGACCCAAAAGGTTGCTTGAATGGGGGGCACCCTGGCATGGACGCTGCTGTT
GCCGCTGCTGCTGCGGGAGTCAGACAGCCTAGAACCGTCGTGCACCGTGTCCTCCGCGGA
TGTGGACTGGAACGCGGAGTTCAGTGCCACGTGCCTGAATTTCAGTGGCCTCAGCCTGAG
CCTGCCTCACAACCAGTCTCTGCGGGCCAGCAACGTGATTCTCCTTGACCTGTCTGGGAA
CGGCCTGCGAGAGCTTCCAGTGACCTTCTTTGCCCACCTGCAGAAGCTTGAGGTCCTGAA
CGTGCTACGCAACCCCTTGTCTCGTGTGGATGGGGCGCTGGCCGCCCGCTGTGACCTTGA
CCTGCAGGCCGACTGCAACTGTGCCCTGGAGTCCTGGCACGACATCCGCCGAGACAACTG
CTCTGGCCAGAAGCCTCTGCTCTGCTGGGACACAACCAGCTCCCAGCACAACCTCTCTGC
CTTCCTGGAGGTCAGCTGCGCCCCTGGCCTGGCCTCTGCAACTATCGGGGCAGTGGTGGT
CAGCGGGTGCCTGCTTCTTGGACTTGCCATCGCTGGCCCTGTGCTGGCCTGGAGACTCTG
GCGATGCCGAGTGGCCAGAAGCCGGGAGCTGAACANACCCTGGGCTGCTCANGATGGGCC
CAAAGCCCGGTTTAAGCTTGCAGCCACGGTACGGCAGCCGGAGCGCCCNCAGCCCCAGTG
GCCGTGCCATCTGCCCTCCACTCCCGATATGAGAACATGTTGTGGCCANCAGCAGCGAGC
ACAGTGGATGAACAGGGCTCACCTTCAGAGACA

Restriction Sites: NotI-NotI

ACCN: NM_145256

Insert Size: 1500 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_145256.1, NP_660299.1

RefSeq Size: 1963 bp

RefSeq ORF: 303 bp

Locus ID: 126364

UniProt ID: Q8N386

Cytogenetics: 19p13.11

Domains: LRR

Protein Families: Transmembrane

Gene Summary: Plays a role in the inhibition of RLR-mediated type I interferon signaling pathway by targeting DDX58/RIG-I for autophagic degradation. Interacts specifically with ISG15-associated DDX58 to promote interaction between DDX58 and the autophagic cargo receptor p62/SQSTM1 to mediate DDX58 degradation via selective autophagy (PubMed:29288164). Plays also a role in the inhibition of NF-kappa-B signaling pathway and inflammatory response by promoting the degradation of p65/RELA.[UniProtKB/Swiss-Prot Function]