

Product datasheet for **SC321936**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145256.2
 GTAGGTTGCTTGAATGGGGGACACCTGGCATGGACGCTGCTGTTGCCGCTGCTGCTGCG
 GGAGTCAGACAGCCTAGAACCGTCGTGCACCGTGTCTCCGCGGATGTGGACTGGAACGC
 GGAGTTCAGTGCCACGTGCTGAATTTTCAGTGGCTCAGCCTGAGCCTGCCTCACAACCA
 GTCTCTGCGGGCCAGCAACGTGATTCTCCTTGACCTGTCTGGAAACGGCTGCGAGAGCT
 TCCAGTGACCTTCTTTGCCACCTGCAGAAGCTTGAGGTCCTGAACGTGTACGCAACCC
 CTTGTCTCGTGTGGATGGGGCGCTGGCCGCCGCTGTGACCTTGACCTGCAGGCCGACTG
 CAACTGTGCCCTGGAGTCTGGCACGACATCCGCCGAGACAACCTGCTCTGGCCAGAAGCC
 TCTGCTCTGCTGGGACACAACCAGCTCCCAGCACAACTCTCTGCCTTCTGGAGGTCAG
 CTGCGCCCTGGCCTGGCCTCTGCAACTATCGGGGACAGTGGTGGTCAGCGGGTGCCTGCT
 TCTTGGACTTGCCATCGCTGGCCCTGTGCTGGCCTGGAGACTCTGGCGATGCCGAGTGGC
 CAGAAGCCGGGAGCTGAACAAACCCTGGGCTGCTCAGGATGGGCCAAGCCCGTTTAGG
 CTTGCAGCCACGGTACGGCAGCCGGAGCGCCCAAGCCCAAGTGGCCGTGCCATCCTG
 CCCCTCCACTCCGACTATGAGAACATGTTTGTGGCCAGCCAGCAGCCAGCACCAGTG
 GGATGAACAAGGGGCTCACCTTCAGAGGACAATGACTTTTACATCAACTACAAGGACAT
 CGACCTGGCTTCCAGCCTGTCTACTGTAACCTGCAGTCACTGGGCCAGGCCTCAATGGA
 TGAAGAGGAGTACGTGATCCCCGGGCACTGAGCCTAAGATGTCCTAACCTCCACCAGAA
 CCCCTTCACTCCCTGCTGGGTGACTCAGGGCGTCTAACTCCTCCATGGCCTCAGTTTCC
 CCATCTGAAGAATGGGGACAGGAAAGGATTGTCCTTGAGGCCCAAGGACTCTGCCGCC
 CCCTCCCTGTCCCTCATGCCGCTCTCAGCTCCCTCAGCTCCTAGAGGGGGAAGAGGAGA
 GACCCCAACAAGGGGACAGGAGGGTCACTGTGCCAATCCTGTATCACCTCCTGTGGA
 GTACAGGCAGTGCTCAATAAATGCTTCGAGGCTGATGAGGCTGTGGCTCAGGGTGCCT
 GGGTTCCTCAAGGTGGGATTTCTGAGTTCTAAGACCAAGTCTCCATCTGAGACTCCCAA
 ATTGCTCCCCACCTCCCATCCCTGTTTTTTTTTTGTTGTTGTTGTTGTTGTTGTTTTT
 GAAACTGAGTCTCACTCTGTCAACCAGGCTGGAGTGAATGCTGCGATCTCAGCTCACTG
 CAACCTCCGCTCCTGGTTCAAGTGATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGAT
 TACAGCACCCGCCACCATGCCGAGCTAATTTTTGTATTTATAATAGAGATGGGGTTTCGC
 CATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAAGCGATCTGCCACCTCGGCCTCC
 TGAAGTGTGGGATTACAGGCGTGGCCACCGCACCCAGGCACATTCTCCCTTCTGCCCC
 TCTCAGGGCCCTTCCAGGTCCTGATCTCCAGGCTTGGCCTCCAGAGCAGCCACACC
 ACCCCCAAAATAAAAAATGTATATATTCCTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_145256
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_145256.2](#), [NP_660299.2](#)

RefSeq Size: 2430 bp

RefSeq ORF: 918 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]