

## Product datasheet for MC212550

### Lrrc25 (NM\_153074) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc25 (NM\_153074) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lrrc25  
**Synonyms:** Mapa  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212550 representing NM\_153074  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGAAGCATCAGAAGTGGTGTGCTGTGGTTATGCTCCTGATGCTGTTGGCCCTGCTTACAAGTCAG  
GAAGTCAAGATCTCACCTGCATGGTTCACCCGAGCAGGGTAGACTGGACTCAGACATTTAATGGCACCTG  
CCTCAATTTCAAGTGGCCTTGGCCTGTCCCTGCCAAGGAGCCCTTGCAGGCCAGCCATGCTCAAGTCCTG  
GACCTGTCTAAGAATGGCCTGCAGGTGCTCCCTGGGGCTTTCTTCGACAAGCTGGAAAAGCTGCAGACCC  
TGATTGTACCCACAACAGCTGGACAGTGTGGACAGGTCCCTGGCCTTGCCTGTGACCTGGAGCTCAA  
GGCAGACTGCAGCTGTGGGCTGGCCTCCTGGTATGCTCTCCGCCAGAAGTCTCCGGGCAGCAGCAGCTA  
CTGTGTCTACACCCAGCCACCGAAGCTCCAAGGAACCTCTCCACCTTCTTCAGGTGAGCTGTCCCCCA  
GCTGGGGCCCGGGGACCATTTGGAGCCCTTGTGCTGGGACTATCTCCCTGGCTGTGGCTGTGAGTGGATC  
TGTGCTGGCCTGGAGACTTCTTCGCCCGCCGCGCAGAGCCAGTGAGCACAGCCTCAGCAAAGCCAGATG  
TCCCCACAGATATCCCCAAACAGTGACAGATTTCTGCCAAGGTACAGCAGCCGGCAGCTGGCCCCA  
AGGCCCCAGACTCACCCAGCAGGTTACAATGGATTATGAGAATGTCTTTATTGGCCAGCCGGCCGA  
GGACTGCTCATGGTCTGCAGCCAGAAACAGCCCTTCTGGGACAGTGACTGCTACATGAACACTACAGGAGT  
GTCGACCAGGACTCTAGCCCGTCTATTGCAACCTGGAGTCCCTGGGGCGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_153074  
**Insert Size:** 894 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153074.3</a> , <a href="#">NP_694714.1</a>
<b>RefSeq Size:</b>	1273 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	211228
<b>UniProt ID:</b>	<a href="#">Q8K1T1</a>
<b>Cytogenetics:</b>	8 B3.3
<b>Gene Summary:</b>	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. 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]