

Product datasheet for MR220729

Lrrc25 (NM_153074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc25 (NM_153074) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc25
Synonyms:	Mapa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220729 representing NM_153074 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAGCATCAGAAGCTAGGTTGCTGTGGTTATGTCTCCTGATGCTGTTGGCCCTGCTTACAAGTCAG
GAAGTCAAGATCTCACCTGCATGGTTCACCCGAGCAGGGTAGACTGGACTCAGACATTTAATGGCACCTG
CCTCAATTTAGTGGCCTGGCCTGTCCCTGCCAAGGAGCCCTTGCAGGCCAGCCATGCTCAAGTCCTG
GACCTGTCTAAGAATGGCCTGCAGGTGCTCCCTGGGGCTTCTTCGACAAGCTGGAAAAGCTGCAGACCC
TGATTGTACCCACAACCAGCTGGACAGTGTGGACAGGTCCTGGCCTTGCCTGTGACCTGGAGCTCAA
GGCAGACTGCAGCTGTGGGCTGGCCTCCTGGTATGCTCTCCGCCAGAAGCTCCGGGCAGCAGCAGCTA
CTGTGTCTACACCCAGCCACCGAAGCTCCAAGGAACCTCTCCACCTTCTTCAGGTGAGCTGTCCCCCA
GCTGGGGCCCGGGGACCATTTGGAGCCCTTGTGCTGGGACTATCTCCCTGGCTGTGGCTGTGAGTGGATC
TGTGCTGGCCTGGAGACTTCTTCGCCCGCCCGCAGAGCCAGTGAGCACAGCCTCAGCAAAGCCAGATG
TCCCCACAGATATCCCCAAACCAGTGACAGATTTCTGCCAAGGTACAGCAGCCGGCGACTGGCCCCA
AGGCCCCAGACTCACCACCCAGCAGGTTCAAAATGGATTATGAGAATGTCTTTATTGGCCAGCCGGCCGA
GGACTGCTCATGGTCTGCAGCCAGAAACAGCCCTTCTGGGGACAGTGACTGCTACATGAAGTACAGGAGT
GTCGACCAGGACTCTCAGCCCGTCTATTGCAACCTGGAGTCCCTGGGGCGA

ACGCGTACGCGGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220729 representing NM_153074
Red=Cloning site Green=Tags(s)

MGSIRTRLLWLCLLMLLALLHKSGSQDLTCMVHPSRVDWTQTFNGTCLNFSGLGLSLPRSPLQASHAQVL
 DL SKNGLQVLPGAFFDKLEKLQTLIVTHNQLDSVDRSLALRCDLELKADCSCGLASWYALRQNCSSGQQQL
 LCLHPATEAPRNLS TFLQVSCPPSWGPGTIGALVAGTISLAVAVSGSVLAWRLLRRRRRASEHLSKAQM
 SPHDIPKPVTDFLPRYSSRRPGPKAPDSPPSRF TMDYENVFIGQPAEDCSWSAARNSPSGDSDCYMNYRS
 VDQDSQPYYCNLESLGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_153074

ORF Size: 891 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_153074.3](#), [NP_694714.1](#)

RefSeq Size: 1273 bp

RefSeq ORF: 894 bp

Locus ID: 211228

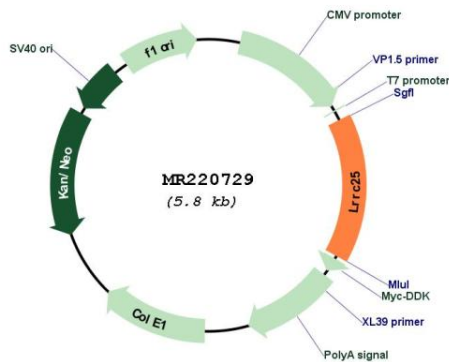
UniProt ID: [Q8K1T1](#)

Cytogenetics: 8 B3.3

MW: 33.1 kDa

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. 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]

Product images:



Circular map for MR220729