

Product datasheet for **MR224616**

Lsr (NM_001164184) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsr (NM_001164184) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lsr
Synonyms:	ILDR3; Lisch7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224616 representing NM_001164184
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCGGCGCCAGCGCGTGTGCTGGGGCGCCTGGCTCCACCCGGCCACCAGATCTTCGTGTGTC
 TTTTCTCATCTTACTGCCAGACCGTGCCAGTGCCATCCAGGTGACCGTGCCTGACCCCTACCACGT
 AGTGATCTGTTCCAGCCAGTGACACTACACTGCACCTACCAGATGAGCAATACCCTCACAGCCCCTATC
 GTGATCTGGAAGTATAAGTCGTTCTGTGCGGACCGTGTGCCGACGCCTTCTCCCCTGCCAGCGTGGACA
 ACCAGCTCAACGCCAGCTGGCGCTGGCAACCCCGGCTACAACCCCTATGTGGAGTGCCAGGACAGCGT
 ACGCACTGTCAAGGTGGTGGCCACCAACAGGGCAATGCTGTGACCTGGGAGACTACTACCAGGGCAGG
 AGAATCACCATCACAGGAAATGCTGACCTGACCTTCGAGCAGACGGCCTGGGAGACAGTGGAGTGTATT
 ACTGCTCCGTGGTCTCAGCCAAGATCTGGATGGGAACAACGAGGCGTACGCAGAGCTCATTGTCCTTGA
 TTGGCTCTTTGTGGTCTGCTGCTGCCTGGCAAGCCTCCTTCTTCTCCTCCTGGGCATCTGCTGGTGC
 CAGTGCTGTCCCCACACCTGCTGCTGCTATGTCAGATGTCCCTGCTGCCAGACAAGTGCTGTTGCCCTG
 AGGCCCTTATGCTGCTGGCAAAGCAGCCACCTCAGGTGTGCCAAGCATCTATGCCCCAGCATCTATAC
 CCACCTCTCCTGCCAAGACTCCGCCACCTCCGCCTGCCATGATTCCCATGCGTCTCCCTATGGGTAC
 CCTGGAGACTTTGACAGGACCAGCTCAGTTGGTGGCCACAGCTCCAGGTGCCCTGCTGCGTGAAGTGG
 ATGGGAGCGTATCTTCAAGTACGAAGTGGCTACAGGATCCAGGCTAACAGCAAGATGACTCCATGAG
 GGTCTATACTATATGGAGAAGGAGTAGCCAACCTCCATGAAGTACTGGCGATCTCGGCCTCCAGGGCTC
 GTGGACGGGCCATGAGTGAAGTAACTCCCTCCATGAAGTACTGGCGATCTCGGCCTCCAGGGCTC
 TGCCCTCACACCCATCAGGGATGAGGAGTGAATCGCCACTCCCTCGGAGTCCAGAACATGGGAGAC
 GGAACCCCTCAAGAACAGCCAAGGGTGGTGGGGTCTGGGGCGCCTCGGGCCCGCTCTGTGGATGCT
 CTAGATGACATCAACCGCCTGGCTCCACTGAATCAGGAAGTCTTCTCCCCAAGTAGTGGACGGAGAG
 GGCGGGCCTATGCACCTCCGAGAAGTGCAGCCGGGATGACCTCTATGACCCCGACGATCTAGAGACTT
 GCCACATCCCGAGATCCCACTATTATGATGATTTGAGGTCTAGGGATCCACGTGCTGACCCAGATCC
 CGTCAGCGATCCACGATCCTCGGGATGCTGGCTTCAAGTACAGGACCCCTCAGTATGATGGGCGACTCT
 TAGAAGAGGCTTTAAAGAAAAAGGGGCTGGGGAGAGAAGACGCGTTTACAGGGAGGAAGAAGAAGA
 AGAGGAGGGCCACTATCCCCAGCACCTCCGCCTTACTCTGAGACTGACTCGCAGGCCTCGAGGGAGCGG
 AGGATGAAAAAGAATTTGGCCCTGAGTCGGGAAAGTTTAGTCGTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224616 representing NM_001164184
 Red=Cloning site Green=Tags(s)

MAPAASACAGAPGSHPATTFIVCLFLIIYCPDRASAIQVTVDPYHVIVLFPVTLHCTYQMSNTLTAPI
 VIWKYKSFCDRVRADAFSPASVDNQLNAQLAAGNPGYNPYVEQCDSVRTVRVATKQGNVTLGDYYQGR
 RITITGNADLTFEQTAWGDSGVYYCSVSAQDLNNEAYAEIIVLDWLFVVVCLASLLFFLLLGICWC
 QCCPHTCCCVVRCPCCPDKCCPEALYAAGKAATSGVPSIYAPSIYTHLSPAKTPPPPPAMIPMRPPYGY
 PGDFDRTSSVGGHSSQVPLLREVDGVSSEVRSYRIQANQQDDSMRVL YMEKELANFDP SRP GPPNGR
 VERAMSEVTS LHEDDWR SRP SRAPAL TPIRDEEWNRHSPRSPTWEQEPLQE QPRGGWGS GRPRARSVDA
 LDDINRPGSTESGRSSPPSSGRRGRAYAPPRSRRDDLYDPDDPRDLPHSRDPHYDDLRSRDPADPRS
 RQRSHDPRDAGFRSRDPQYDGRLLLEALKKKGAGERRRVYREEEEEEEGHYP PAPPYSETDSQASRER
 RMKKNLALSRESLVV

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2231_d07.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001164184

ORF Size: 1725 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001164184.1](#), [NP_001157656.1](#)

RefSeq Size: 2120 bp

RefSeq ORF: 1728 bp

Locus ID: 54135

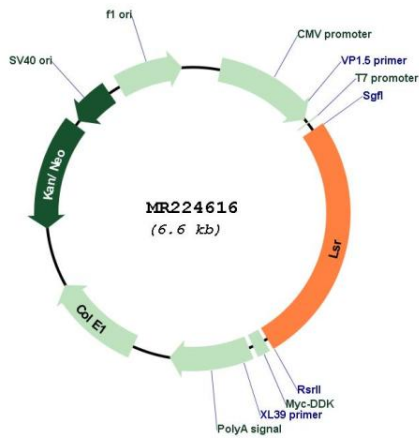
UniProt ID: [Q99KG5](#)

Cytogenetics: 7 B1

MW: 64.6 kDa

Gene Summary: Probable role in the clearance of triglyceride-rich lipoprotein from blood. Binds chylomicrons, LDL and VLDL in presence of free fatty acids and allows their subsequent uptake in the cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224616