

## Product datasheet for **MG225038**

### Lsr (NM\_001164185) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lsr (NM_001164185) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lsr
Synonyms:	ILDR3; Lisch7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225038 representing NM\_001164185  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCCGGCGCCAGCGCGTGTGCTGGGGCGCCTGGCTCCACCCGGCCACCAGATCTTCGTGTGTC  
 TTTTTCTCATCTTTACTGCCAGACCGTGCCAGTGCCATCCAGGTGACCGTGCCTGACCCCTACCACGT  
 AGTGATCCTGTTCCAGCCAGTGACACTACACTGCACCTACCAGATGAGCAATACCCTCACAGCCCTATC  
 GTGATCTGGAAGTATAAGTCGTTCTGTGCGGACCGTGTGCCGACGCCTTCTCCCCTGCCAGCGTGGACA  
 ACCAGCTCAACGCCAGCTGGCGCTGGCAACCCCGGCTACAACCCCTATGTGGAGTGCCAGGACAGCGT  
 ACGCACTGTCAGGGTGGTGGCCACCAACAGGGCAATGCTGTGACCTGGGAGACTACTACCAGGGCAGG  
 AGAATCACCATCACAGGAAATGCTGACCTGACCTTCGAGCAGACGGCCTGGGAGACAGTGGAGTGTATT  
 ACTGCTCCGTGGTCTCAGCCAAGATCTGGATGGGAACAACGAGGCGTACGCAGAGCTCATTGTCTTGT  
 TTATGCTGCTGGCAAAGCAGCCACTCAGGTGTGCCAAGCATCTATGCCCCAGCATCTATACCCACCTC  
 TCTCTGCCAAGACTCCGCCACCTCCGCCTGCCATGATCCCATGCGTCCCTCCATGGGTACCCTGGAG  
 ACTTTGACAGGACCAGCTCAGTTGGTGGCCACAGCTCCCAGGTGCCCTGCTGCGTGAAGTGGATGGGAG  
 CGTATCTTCAGAAGTACGAAGTGGCTACAGGATCCAGGCTAACAGCAAGATGACTCCATGAGGGTCCCTA  
 TACTATATGGAGAAGGAGCTAGCCAACCTTCGATCCTTCCCGGCCTGGCCCTCCCAATGGCCGAGTGGAA  
 CAGGCAATGAGTGAAGTAACTCCCTCCATGAAGATGACTGGCGATCTCGGCCTCCAGGGCTCCTGCCCT  
 CACACCCATCAGGGATGAGGAGTGAATCGCCACTCCCTCGGAGTCCCAGAATGGGAGCAGGAACCC  
 CTTCAAGAACAGCCAAGGGTGGTTGGGGTCTGGGCGCCTCGGGCCGCTCTGTGGATGCTCTAGATG  
 ACATCAACCGCCTGGCTCCACTGAATCAGGAAGTCTTCTCCCAAGTGTGGACGGAGAGGGCGGGC  
 CTATGCACCTCCGAGAAGTGCAGCCGGATGACCTCTATGACCCCGACGATCCTAGAGACTTGCCACAT  
 TCCCGAGATCCCACTATTATGATGATTTGAGGTCTAGGATCCACGTGCTGACCCAGATCCCGTCAAG  
 GATCCACGATCCTCGGGATGCTGGCTTCAAGTACGGGACCCTCAGTATGATGGGCGACTCTTAGAAGA  
 GGCTTTAAAGAAAAAGGGGCTGGGAGAGAAGACGCGTTTACAGGGAGGAAGAAGAAGAAGAGGAG  
 GGCCACTATCCCCAGCACCTCCGCCTTACTCTGAGACTGACTCGCAGGCTCGAGGGAGCGGAGGATGA  
 AAAAGAATTTGGCCCTGAGTCGGAAAGTTTAGTCGTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225038 representing NM\_001164185  
 Red=Cloning site Green=Tags(s)

MAPAASACAGAPGSHPTTIFVCLFLIIYCPDRASAIQVTPDPYHVILFQPVTLHCTYQMSNTLTAPI  
 VIWKYKSFCDRVADAFSPASVDNQLNAQLAAGNPGYNPYVECDQSVRTRVAVATKQGNVTLGDYYQGR  
 RITITGNADLTFEQTAWGDSGVYYCSVSAQDL DGNNEAYAEIIVLVYAAGKAATSGVPSIYAPSIYTHL  
 SPAKTPPPPPAMIPMRPPYGYPGDFDRTSSVGGHSSQVPLLRVDGVSSEVRSYRIQANQQDDSMRVL  
 YYMEKELANFDPSRPGPPNGRVERAMSEVSLHEDDWRSRPSRAPALTPIRDEEWNRHSRPSRPTWEQEP  
 LQEQRGGWGSRPPRARSVDALDDINRPGSTESGRSSPPSSGRRGRAYAPPRSRSDDL YDPDDPRDLPH  
 SRDPHYDDLRSRDPADPRSRQRSHDPRDAGFRSRDPQYDGRLLLEEALKKKGAGERRRVYREEEEEEE  
 GHYPPAPPYSETDSQASRERRMKNLALSRESLVV

SGP**TRRRLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:


**ACCN:** NM\_001164185

**ORF Size:** 1578 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\\_001164185.1](#), [NP\\_001157657.1](#)
**RefSeq Size:** 1973 bp

**RefSeq ORF:** 1581 bp

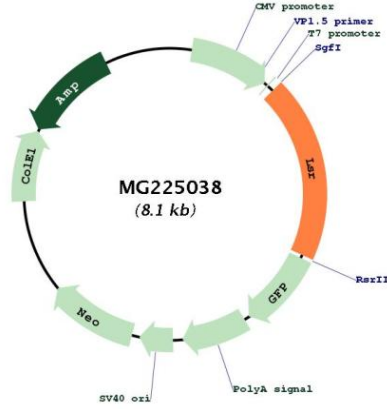
**Locus ID:** 54135

**UniProt ID:** [Q99KG5](#)
**Cytogenetics:** 7 B1

**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 MG225038