

Product datasheet for **RR213114**

Lsr (NM_032616) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsr (NM_032616) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lsr
Synonyms:	Lisch7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213114 representing NM_032616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCCGGCGCCGGCGCGTGTGCTGGGGCGCCTGACTCCCACCCAGCTACCGTGGTCTTCGTGTGTC
 TCTTTCTCATATTTTCTGCCAGACCCTGCCAGTGCCATCCAGGTGACTGTGTCTGACCCCTACCCAGT
 AGTGATCTGTTCCAGCCAGTGACCCTGCCCTGCACCTATCAGATGAGCAACACTCTCACAGTCCCCATC
 GTGATCTGGAAGTACAAGTCAATTCTGCCGGGACCGTATTGCCGATGCCTTCTCCTGCCAGTGTGGACA
 ACCAGCTAAATGCCAGTTGGCAGCTGGCAACCCCGGCTACAACCCCTATGTGGAGTGCCAGGACAGTGT
 ACGCACTGTCAGGGTGGTGGCCACCAACAGGGCAATGCGGTGACCCTGGGAGACTACTACCAAGGCAGG
 AGGATCACCATAACAGGAAATGTGACCTGACCTTCGAGCAGACAGCCTGGGAGACAGTGGAGTGTATT
 ACTGCTCTGTGGTCTCGGCCAAGATCTGGATGAAAACAACGAGGCGTACGCAGAGCTCATCGCTCTGG
 CAGGACCTCAGAGGCCCTGAGCTCCTACCTGGTTTTTCGGGCGGGGCCCTTGAAGATTGGCTCTTTGTG
 GTCGTGGTCTGCCTGGCAGCCTCCTCCTTCTCCTCCTGGGATCTGCTGGTCCAGTGTGTCTCTC
 ACACCTGCTGCTGCTATGTCGATGTCCCTGCTGCCAGACAAGTGTGTGCCCTGAGGCTCTTTATGC
 TGCTGGCAAAGCAGCCACCTCAGGTGTCCCAGCATCTATGCCCCAGCATCTATACCCACCTCTCACCT
 GCCAAGACCCACCACCTCCGCCTGCCATGATTCCTATGGGCCCTCCCTATGGGTACCCTGGAGACTTTG
 ACAGACATAGCTCAGTTGGTGGCCACAGCTCCCAAGTACCCTGCTGCGTGACGTGGATGGCAGTGTATC
 TTCAGAAGTACGAAGTGGCTACAGGATCCAGGTAACCAAGTACAGTCCATGAGGGTCTATACTAT
 ATGGAGAAAGAGTAGCCAACCTTGACCCTTCCGACCTGGCCCTCCCAATGGCAGAGTGAACCGGGCCA
 TGAGTGAAGTAACCTCCCTCCATGAAGATGACTGGCGATCGAGGCTTCCAGGGCTCCTGCCCTCACCC
 CATCAGGGATGAGGAGTGAATCGCCACTCCCCACAGATCCCAGAACATGGGAGCAGGAACCCCTTCAA
 GAACAACCAAGGGTGGTTGGGGTCTGGACGCCCTCGGGCCGCTCTGTGGATGCTCTAGATGATATCA
 ACCGGCTGGCTCCACTGAATCAGGACGGTCTTCTCCCCAAGTGTGGACGGAGAGGACGGCCTATGC
 ACCTCCAAGAAGTCGAGCCGGGATGACCTCTATGACCCGGACGATCCTAGGGACTTGCCACATTCCCGA
 GATCCCCACTATTATGACGACATCAGGTCTAGAGATCCACGTGCTGACCCAGATCCCGTACGGATCCC
 GAGATCCTCGGGATGCTGGCTTCAAGTCAAGGGACCTCAGTATGATGGGCGACTATTAGAAGAGGCTTT
 AAAGAAAAGGGTGGGCGAGAGAAGGAGGGTTACAGGGAGGAAGAAGAGGAAGAGGAGGGCCAATAC
 CCCCCAGCACCTCCACCTTACTCAGAGACTGACTCGCAGGCTCACGGGAGAGGAGGCTGAAAAAAGATT
 TGCCCTGAGTCGGAAAGTTTAGTCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213114 representing NM_032616
 Red=Cloning site Green=Tags(s)

MAPAAGACAGAPDHPATVVFVCLFLIIFCPDPASAIQVTVSDPYHVILFQPVTLPCTYQMSNTLTVPI
 VIWKYKSFCDRIADAFSPASVDNQLNAQLAAGNPGYNPYVEQDSVRTVVRVATKQGNVTLGDYYQGR
 RITITGNADLTFEQTAWGDSGVVYCSVSAQDLNNEAYAEILVLGRTSEAPPELLPGFRAGPLEDWLWV
 VVCLASLLFLLLGICWCQCCPHTCCCVVRCPCPDKCCPEALYAAGKAATSGVPSIYAPSIYTHLSP
 AKTPPPPPAMIPMGPPYGYPGDFDRHSSVGGHSSQVPLLRDVGVSSEVRSYRIQANQQDDSMRVLYY
 MEKELANFDPSRPGPPNGRVERAMSEVTSLEDDWRSRPSRAPALTPIRDEEWNRHSPQSPRTWEQEPLQ
 EQPRGGWGSGRPRARSVDALDDINRPGSTESGRSSPSSGRRGRAYAPPRSRSDLDYDDPRDLPHSR
 DPHYYDDIRSRDPRADPRSRQSRDPRDAGFRSDPQYDGRLLLEALKKKGSGERRRVYREEEEEEGQY
 PPAPPYSETDSQASRERLKNLALSRESLVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

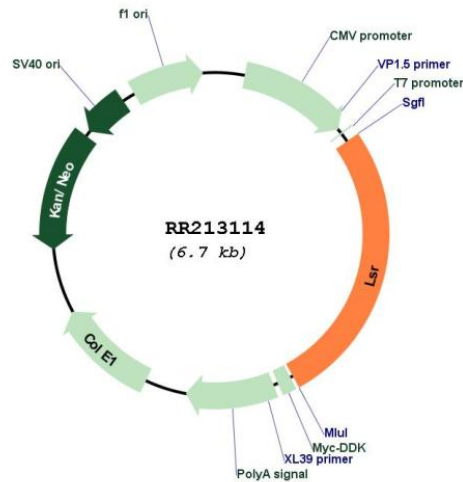
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032616
 ORF Size: 1779 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:	<ol style="list-style-type: none">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_032616.1 , NP_116005.1
RefSeq Size:	2097 bp
RefSeq ORF:	1782 bp
Locus ID:	64355
UniProt ID:	Q9WU74
Cytogenetics:	1q21
MW:	65.8 kDa
Gene Summary:	binds apoB, apoE, and triglyceride-rich lipoprotein (chylomicrons and very low density lipoprotein (VLDL)); may mediate the partitioning of dietary lipid between different tissues [RGD, Feb 2006]