

Product datasheet for **RG234604**

Lipolysis Stimulated Lipoprotein Receptor (LSR) (NM_001260489) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipolysis Stimulated Lipoprotein Receptor (LSR) (NM_001260489) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lipolysis Stimulated Lipoprotein Receptor
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:

>RG234604 representing NM_001260489
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCAACAGGACGGACTTGGAGTAGGGACAAGGAACGGAAGTGGGAAGGGGAGGAGCGTGCACCCCTCT
 GGCTTGGTGCGCGCCGCGCCCTAAGGTAAGTCTTTGGAAGGACGCGCGGCCAGACGCGCCAGACGGC
 CGCGATGGCGCTGTTGGCCGGCGGGCTCTCCAGAGGGCTGGGCTCCACCCGCGCCGCGAGGCCGGAC
 GCGGTCTGCTTCTGTTGGCTTCTGCTTAGCACCTGGTGCACAGCTCTGCCAGGGCCATCCAGGTGACCG
 TGTCCAACCCCTACCACGTGGTATCCTCTCCAGCCTGTGACCTGCCCTGTACCTACCAGATGACCTC
 GACCCCAACGCAACCCATCGTCACTGGAAGTACAAGTCTTTCTGCCGGGACCGCATCGCCGATGCCTTC
 TCCCCGGCAGCGTCGACAACCAGCTCAATGCCAGCTGGCAGCCGGGAACCCAGGCTACAACCCCTACG
 TTGAGTGCCAGGACAGCGTGCACACCGTACGGGTCGTGGCCACCAAGCAGGGCAACGCTGTGACCCTGGG
 AGATTACTACCAGGGCCGAGGATTACCATCACCGGAAATGCTGACCTGACCTTTGACCAGACGGCGTGG
 GGGGACAGTGGTGTGATTACTGCTCCGTGGTCTCAGCCAGGACCTCCAGGGGAACAATGAGGCCCTACG
 CAGAGCTCATCGTCTTACTGCTGCTTCTCGTGGTGTGGTATGCCTGGCTGCCTTCTCATCTTCTCTCT
 CCTGGGCATCTGCTGGTGCAGTGTGCCCGCACACTTGTGCTGCTACGTGAGGTGCCCTGTGCCCA
 GACAAGTGTGCTGCCCGAGGCCCTGTATGCCCGCGCAAAAGCAGCCACCTCAGGTGTTCCAGCATTT
 ATGCCCCAGCACCTATGCCACCTGTCTCCCGCAAGACCCACCCCAACAGCTATGATTTCCATGGG
 CCCTGCCTACAACGGGTACCCTGGAGGATACCTGGAGACGTTGACAGGAGTAGCTCAGCTGGTGGCCAA
 GGCTCCTATGTACCCCTGCTTCGGGACACGGACAGCAGTGTGGCCTCTGTCCGAGTGCATACAGGATTC
 AGGCCAGCCAGCAGGACGACTCCATGCGGGTCTGTACTACATGGAGAAGGAGCTGGCCAACTTCGACCC
 TTCTCGACCTGGCCCCCAGTGGCCGTGTGGAGCGGGCCATGAGTGAAGTACCTCCCTCCACGAGGAC
 GACTGGCGATCTCGCCCTCCCGGGGCCCTGCCCTCACCCGATCCGGGATGAGGAGTGGGTGGCCACT
 CCCCCGGAGTCCAGGGGATGGGACCAGGAGCCGCCAGGGAGCAGGCAGGCGGGGGCTGGCGGCCAG
 GCGGCCCGGGCCGCTCCGTGGACGCCCTGGACGACCTACCCCGCGAGCACCGCCGAGTCAAGGAGC
 AGGTCTCCACAGGTAATGGTGGGAGAAGCCGGGCTACATGCCCGCGGAGCCGACGCCGGGACGACC
 TCTATGACCAAGACGACTCGAGGACTTCCACGCTCCCGGACCCCACTACGACGACTCAGGTCTCG
 GGAGGCCCTCTGCCGACCCAGTCCCACCACCACCGTACCCGGGACCCTCGGACAACGGCTCCAGG
 TCCGGGACCTCCCTATGATGGGCGGCTACTGGAGGAGCTGTGAGGAAGAAGGGTTCGAGGAGAGGA
 GGAGACCCACAAGGAGGAGGAGGAAGAGGCTACTACCCGCCCGCGCCGCCCGTACTCGGAGACCGA
 CTCGACGGCTCCCGAGAGCGCAGGCTCAAGAAGAACTTGGCCCTGAGTCGGGAAAGTTAGTCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234604 representing NM_001260489
 Red=Cloning site Green=Tags(s)

MQQDGLGVGTRNGSGKGRSVHPSWPCAPRPLRYFGRDARARRAQTAAALLAGGLSRGLGSHPAAGR
 AVVFWLLLSTWCTAPARA IQVTVSNPYHVILFQPVTLPCTYQMTSTPTQPIVIWKYKSFCDRIADAF
 SPASVDNQLNAQLAAGNPGYNPYVECDQSVRTVRVATKQNAVTLGDYYQRRITITGNADLTFDQTAW
 GDSGVYYCSVSAQDLQGNNEAYAEILVLDWLFVVVCLAAFLIFLLLGICWCQCCPHTCCCYVRCPCCP
 DKCCCPALYAAGKAATSGVPSIYAPSTYAHLSPAKTPPPAMPMPGAYNGYPGYGDVDRSSSAGGQ
 GSYVPLLRDTSVSVRSYRIQASQQDSDMRVLYMEKELANFDPSRPGPPSGRVERAMSEVTSLHED
 DWRSRPSRGPALTPIRDEEWGGHSPRSPRGWDQEPAREQAGGGWRARRPRARSVDALDDLTPPSTAESGS
 RSPTSNGGRSRA YMPRSRSDLLYQDSDRDFPRSRDPHYDDFRSRERPPADPRSHHHRTRDPRDNGSR
 SGLDLPYDGRLL EEA VRKKGSEERRRPHKEEEEEAYPPAPPYSETDSQSRERRRLLKNLALSRESL VV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001260489

ORF Size: 1887 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_001260489.1](#), [NP_001247418.1](#)

RefSeq Size: 2232 bp

RefSeq ORF: 1746 bp

Locus ID: 51599

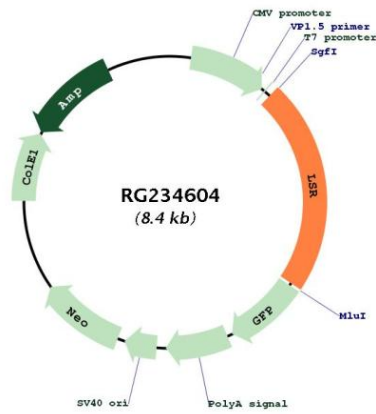
UniProt ID: [Q86X29](#)

Cytogenetics: 19q13.12

Protein Families: Druggable Genome, Transcription Factors, Transmembrane

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 RG234604