

Product datasheet for **RC204847**

LRP12 (NM_013437) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRP12 (NM_013437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRP12
Synonyms:	MIG13A; ST7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC204847 representing NM_013437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTGTCGCTGGAGCACAAAAGAGTCTCCGCGGTGGAGGTCTGCGTTGCTCTTGCTTTTCTCGCTG
 GGGTGTACGGAAATGGTCTCTTGCAGAACATTCTGAAAATGTGCATATTTACAGGAGTGTCAACTGCTTG
 TGGAGAGACTCCAGAGCAAATACGAGCACCAAGTGGCATAATCACAAGCCAGGCTGGCCTTCTGAATAT
 CCTGCAAAAATCAACTGTAGCTGGTTCATAAGGGCAAACCCAGGCGAAATCATTACTATAAGTTTTCAGG
 ATTTTGTATTCAAGGATCCAGAAGGTGCAATTTGGACTGGTTGACAATAGAAACATACAAGAATATTGA
 AAGTTACAGAGCTTGTGGTTCACAATTCACCTCCGTATATCTTTCACAAGACCACATCTGGATTAGG
 TTTTATTTCGGATGACAACATCTAGAAAGGGTTTCAGACTGGCATAATTTTTCAGGGAAATCTGAGGAAC
 CAAATTGTGCTTGTGATCAGTTTCGTTGTGGTAATGGAAGTGTATACCAGAAGCCTGGAATGTAATAA
 CATGGATGAATGTGGAGATAGTTCGGATGAAGAGATCTGTGCCAAAGAAGCAAATCCTCCAAGTGTGCT
 GCTTTTCAACCCTGTGCTTACAACCAGTTCAGTGTATCCCGTTTTACCAAAGTTTACACTTGCCTCC
 CCGAATCTTTAAAATGTGATGGGAACATTGACTGCCTTGACCTAGGAGATGAGATAGACTGTGATGTGCC
 AACATGTGGGCAATGGCTAAAATATTTTATGGTACTTTTAAATCTCCAATTATCCAGACTTTTATCCT
 CCTGGAAGCAATTGCACCTGGTTAATAGACACTGGTATCACCCTAAAGTCAATTTACGCTTCACTGACT
 TAAACTTGATGGTACTGGTTATGGTGATTATGTCAAAATATATGATGGATTAGAGGAGAATCCACACAA
 GCTTTTGGTGTGTTGACAGCTTTTGTCTCATGCACCTTTACAGTTGTTTCTTCTTCTGACAGATA
 AGGGTACATTTTGTGCTGATAAAGTGAATGCTGCAAGGGGATTAATGCTACTTACCAAGTAGATGGGT
 TCTGTTTGGCATGGGAAATACCCTGTGGAGTAACTGGGGGTGTATACTGAGCAGCAGCTTGTGATGG
 GTATTGGCATTGCCAAAATGGAAGGGATGAAACCAATTGTACCATGTGCCAGAAGGAAGAAATTTCCATGT
 TCCCGAAATGGTGTCTGTTATCCTCGTTCTGATCGCTGCAACTACCAGAATCATTGCCAAAATGGCTCAG
 ATGAAAAAACTGCTTTTTTGGCAACCAGGAAATTTCCATTGTA AAAACAATCGTTGTGTGTTGAAAAG
 TTGGGTGTGATTCTCAAGATGACTGTGGTATGGCAGCGATGAAGAAAATGGCCAGTAAATCGTGCT
 ACAAGAGTCATCACTGCTGCCGTATAGGGAGCCTCATCTGTGGCCTGTTACTCGTCATAGCATTGGGAT
 GTACTTGAAGCTTTATCTCTGAGAATGTTTGAAGAAGATCAATTTGAAACACAGTTGTCAAGAGTGGA
 AGCAGAATTGTTAAGAAGAGAAGCTCCTCCCTCGTATGGACAATTGATTGCTCAGGGTTAATTCCACCA
 GTTGAAGATTTTCTGTTTGTTCACCTAATCAGGCTTCTGTTTTGAAAACTGAGGCTAGCGGTACGAT
 CTCAGCTTGGATTACTTCAGTACAGCTTCTATGGCAGGCGAGTCAAGCAACATTTGGAACCGTATTTT
 TAATTTTGAAGATCACGTCACTTCTGGTCAATGGCTTTGGTCTCAGCAGATGGAGATGAGGTTGTCCCT
 AGTCAGAGTACCAGTAGAGAACCTGAGAGAAATCATACTCACAGAAGTTTGTTCCTGGAGTCTGATG
 ATACAGACACAGAAAATGAGAGAAGAGATATGGCAGGAGCATCTGGTGGGGTTGCAGCTCCTTTGCCTCA
 AAAAGTCCCTCCCAACGGCAGTAGAAGCGACAGTAGGAGCATGTGCAAGTTCCCTCAACTCAGAGTACC
 CGAGGTGGTATGCAGATAATGGAAGGGATGTGACAAGTGTGGAACCCCAAGTGTGAGTCCAGCACGTC
 ACCAGCTTACAAGTCACTCAGTCGTATGACTCAGGGGCTACGCTGGGTACGTTTTACATTAGGACGATC
 AAGTTCCCTAAGTCAGAACCAGAGTCCTTTGAGACAACCTTGATAATGGGGTAAGTGAAGAGAAGATGAT
 GATGATGTTGAAATGCTAATCCAAATTTCTGATGGATCTTCAGACTTTGATGTGAATGACTGCTCCAGAC
 CTCTTCTGATCTTGCCTCAGATCAAGGACAAGGGCTTAGACAACCATATAATGCAACAAATCCTGGAGT
 AAGGCCAAGTAATCGAGATGGCCCTGTGAGCGCTGTGGTATTGTCCACACTGCCAGATACCAGACACT
 TGCTTAGAAGTAACACTGAAAAACGAAACGAGTGTGATGAGGCTTTGTTACTTTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204847 representing NM_013437
 Red=Cloning site Green=Tags(s)

MACRWSTKESPRWRSALLLLFLAGVYNGALAEHSENVHISGVSTACGETPEQIRAPSGIITSPGWSEY
 PAKINCSWFIRANPGEIITISFQDFDIQGSRRCNLDWLT IETYKNIESYRACGSTIPPPYISSQDHIWIR
 FHSDDNISRKGFRLAYFSGKSEEPNCACDQFRCGNGKCIPEAWKCNMDECGDSSDEEICAKEANPPTAA
 AFQPCAYNQFQCLSRFTKYYTCLPESLKCDGNIDCLDLGDEIDCDVPTCGQWLKYFYGTFNSPNYPDFYP
 PGSNCTWLI DTGDHRKVILRFTDFKLDGTGYGDYVKIYDGLEENPHKLLRVLTAFD SHAPLTVVSSSQI
 RVHFCADKVNAARGFNATYQVDGFCLPWEIPC GGNWGCYEQQRCDGYWHCPNGRDETNTMCQKEEFC
 SRNGVCYPRSDRCNYQHCPNGSDEKNCFFCQPGNFHCKNRCVFE SWWCDSDDCGDSDEENCPIVVP
 TRVITAAVIGSLICGLLLVIALGCTCKLYSLRMFERRSFETQLSRVEALLRREAPPSYQLIAQGLIPP
 VEDFPVCSNPQASVLENLRLAVRSQLGFTSVRLPMAGRSSNIWNRI FNFARSRHSGSLALVSADGDEVVP
 SQSTSREPERNHTRSLFSVESDDTD TENERDMAGASGGVAAPLPQKVPPTTAVEATVGACASSSTQST
 RGGHADNGRDVTSVEPPSVSPARHQLTSALSRMTQGLRWVRF TLRSSSLSQNQSPRLRQLDNGVSGREDD
 DDVEMLIPISDGSDFDVNDCSRPLLDL ASDQGQGLRQPYNATNP GVRPSNRDGP CERCIGI VHTAQIPDT
 CLEVTLKNETSDDEALLLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8119_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

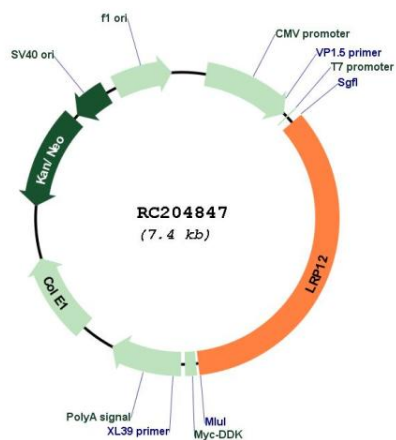
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_013437
ORF Size:	2577 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_013437.4 , NP_038465.1
RefSeq Size:	4149 bp
RefSeq ORF:	2580 bp
Locus ID:	29967
UniProt ID:	Q9Y561
Cytogenetics:	8q22.3
Domains:	CUB, ldl_recept_a
Protein Families:	Druggable Genome, Transmembrane
MW:	95.4 kDa
Gene Summary:	This gene encodes a member of the low-density lipoprotein receptor related protein family. The product of this gene is a transmembrane protein that is differentially expressed in many cancer cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

Product images:



Circular map for RC204847