

Product datasheet for **RC226705**

LRP12 (NM_001135703) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRP12 (NM_001135703) 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:

>RC226705 representing NM_001135703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTGTCGCTGGAGCACAAAAGAGTCTCCGCGGTGGAGGTCTGCGTTGCTCTTGCTTTTCCTCGCTG
 GGGTGTACGCTTGTGGAGAGACTCCAGAGCAAATACGAGCACCAAGTGGCATAATCACAAGCCCAGGCTG
 GCCTTCTGAATATCCTGCAAAAATCAACTGTAGCTGGTTCATAAGGGCAAACCCAGGCGAAATCATTACT
 ATAAGTTTTAGGATTTTGATATCAAGGATCCAGAAGGTGCAATTTGGACTGGTTGACAATAGAAACAT
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 CATCTGGATTAGGTTTCATTTCGGATGACAACATCTCTAGAAAGGGTTTCAGACTGGCATAATTTTTAGGG
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 AGACTTTTATCCTCCTGGAAGCAATTGCACCTGGTTAATAGACTGGTATCACCCTAAAGTCAATTTTA
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 GACTGCTCCAGACCTCTTCTGATCTTGCTCAGATCAAGGACAAGGGCTTAGACAACCATATAATGCAA
 CAAATCCTGGAGTAAGGCCAAGTAATCGAGATGGCCCTGTGAGCGCTGTGGTATTGTCCACACTGCCCA
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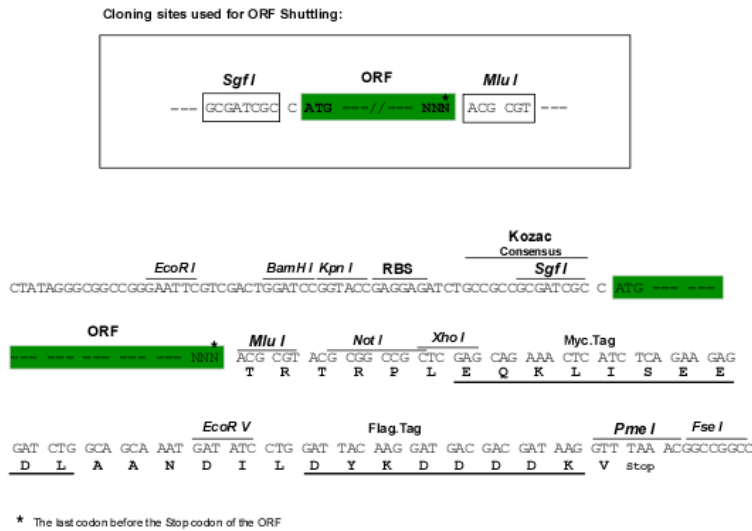
Protein Sequence: >RC226705 representing NM_001135703
 Red=Cloning site Green=Tags(s)

MACRWSTKESPRWRSALLLLFLAGVYACGETPEQIRAPSGIITSPGWPSEYPAKINCSWFIRANPGEIIT
 ISFQDFDIQGSRRCNLDWLTIIETYKNIESYRACGSTIPPPYISSQDHIWIRFHSDDNISRKGFRLAYFSG
 KSEEPNCACDQFRCGNGKCIPEAWKCNNMDECGDSSDEEICAKEANPPTAAAFQPCAYNQFQCLSRFTKV
 YTCLPESLKCDGNIDCLDLGDEIDCDVPTCGQWLKYFYGTFNPNYPDFYPPGSNCTWLIDTGDHRKVIL
 RFTDFKLDGTGYGDYVKIYDGLEENPHKLLRVLTAFDHAPLTVVSSSQIRVHFCADKVNAARGFNATY
 QVDGFCLPWEIPCGGNWGCYTEQQRCQDGYWHCPNGRDETNCTMCQKEEFPCSRNGVCYPRSDRCNYQNH
 PNGSDEKNCFQCQPGNFHCKNNRCVFESWVCDSDDCGDSDEENCPVIVPTRVITA AVIGSLICGLLLV
 IALGCTCKLYSLRMFERRSFETQLSRVEAELLRREAPPSYGQLIAQGLIPPVEDFPVCSPNQASVLENLR
 LAVRSQLGFTSVRLPMAGRSSNIWNRI FNFARSRHSGSLALVSADGDEVVPSQSTSREPERNHHTHRSLS
 VESDDTD TENERDMAGASGGVAAPLPQKVPPTTAVEATVGACASSSTQSTRGGHADNGRDVT SVEPPSV
 SPARHQLT SALSRMTQGLRWVRF TLGRSSSL SQNQSPLRQLDNGVSGREDDDDVEMLIPI SDGSSDFDVN
 DCSRPLLDL ASDQGQLRQPYNATNPGVRPSNRDGPCERCIVHTAQIPDTCLEVT LKNETS DDEALLLC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001135703

ORF Size: 2520 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_001135703.2](#), [NP_001129175.1](#)

RefSeq Size: 4092 bp

RefSeq ORF: 2523 bp

Locus ID: 29967

UniProt ID: [Q9Y561](#)

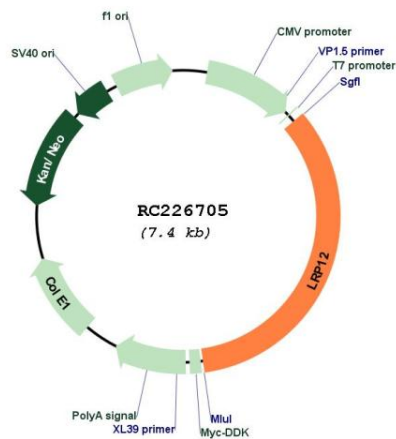
Cytogenetics: 8q22.3

Protein Families: Druggable Genome, Transmembrane

MW: 93.1 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 RC226705