

Product datasheet for **RR213120**

Lrp2 (NM_030827) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lrp2 (NM_030827) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Lrp2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR213120 representing NM_030827
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RR213120 representing NM_030827
 Red=Cloning site Green=Tags(s)

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 ADVDVANGFIYWCDFSSSVRSSNGIRRIKPDGSNFTNVVTYGIGANGIRGVALDWAAGNL YFTNAFVYET
 LIEVLRINTTYRRVLLKVSVDMPRHIIIVDPKHYLFWADYQKPKIERSFLDCTNRTVLVSEGI VTPRGL
 AMDHDTGYIYWDDSLDLIARIHLDGGESQVVRYSRYTPYGITVFGESI IWVDRNLKVFQASKQPGN
 TDPPVVIIRDKINLLRDVTFDEHAQPLSPAELNNPCLQSNGGCSHF CFALPELPTPRCCGAFGTLGNDG
 KSCATSQEDFLIYSLNNSLRSLHFDRDHSLPFQVISVAGTAIALDYDRRNNRIFFTQKLNLSRGQISYV
 SLYSGSSSPTVLLSNIGVTDGIAFDWINRRIYYSDFSNQTI NSMAEDGSNRAVIARVSKPRAIVLDP CRG
 YMYWTDWGTNAKIERATLGGNFRVPIVNTSLVWPNGLALDLETDLLYWADASLQKIERSTLTGTNREVVV
 STAFHSFGLTVYQYIYWTDLYTRKIYRANKYDGS DLVAMTTRLPTQPSGISTVVKTQRQC SNPCDQFN
 GGCSHICAPGNGAECQCPHEGNWYLANDNKYCVVDTGTRCNQLQFTCLNGHCINQDWKCDNDNDCGDGS
 DELPTVCAFHTRSTAFTCGNGRCVPYHYRCDYND CGDNDSEAGCLFRNCNSTTEFTCSNGRCIPLSYV
 CNGINNCHDNDTSDKNCPPHTCPPDFTKQTTNICVPRAFLCDGDNDCGDGSDENPIYCASHTCRSNEF
 QCLSPQRCI PSYWFCDGEADCADGSDPDT CGHSVNTCRASQFQCDNGRCISGNWVCDGDNDCGMSDED
 QRHHCELQNCSSQTFTCVNSRPPNRRICIPQYWCDGDADCDALDELQNCMRTCSAGEFSCANGRCVVRQ
 SFRCDRRNDCGDYSDERGCSYPPCHANQFTCQNGRCIPRFFVCDENDCGDGSDQEHLCHTPEPTCPLH
 QFRCDNGHCIEMGRVCNHVDDSDNSDEKGGCINECLDSSI SRCDHNCTDTITSFYCSCLPGYKLM SDRK
 SCVDIDECKESPQLCSQKENVVGSYICKCAPGYIREPDGKSCRQNSNIEPYLIFSNRYI RNLT TDGSS
 YSLILQGLGNVVALDFDRVEKRLYWIDA EKQI IERMFLNKTNRETIINHRLRAESLAVDWVSRKLYWLD
 AILDCLFVSDLEGRHRKMI AQHCVDANNTFCFEHPRGIVLHPQRGHVYADWGVHAYIGRIGMDG TNKSV
 IISTKIEWPNAITIDYTNLLYWADAHLYIEFSDLEGHHRHTVYDGLPHPFAL TIFEDTVFWDWNTR
 TVEKGKNDYDGSGRVVLVNTTHKPFDIHVYHPYRQPIMSNPCGTNNGGCSHLCLIKAGGRGFTACAPDDFQ
 TVQLRDRTL CMPMCSSTQFLCGNNEKCIPIWKKCDGQKDCSDGSDPDLCPHRFCRLGQFQCRDGNCTSP
 QALCNARQDCADGSDERVLCEHHRCESNEWQCANKRCIPQSWQCDSVNDCLDNDSEDTSHCASRTC RP
 QFKCNGRCIPQSWKCDVNDCGDYSDEPIDECTTAAYNCDNHTEF SCKTNYRCIPQWAVCNGFDDCRDN
 SDEQGCESVPCHPSGDFRCANHHCIPLRWKCDGTD DCGDNDSEENCVPRECESEFRCADQQCIPSRWVC
 DQENDCGDNSDERDCEMKTCHPEHFQCTSGHCVPKALACDGRADCLDASDESACPTFRPNGTYCPAAMFE
 CKNHVICIQSFWICDGENDCV DGSDEE IHLCFNIPCE SPQRFRCNDRCVYGHQLCNGVDDCGDGSDEKEE
 HCRKPTHKPTDTEYKCSNGNCISQHYVCDNVNDCGDL SDETGCNLGDNRTCAENICEQNTQLSSGGFI
 CSCRPGFKPSTSDKNSCQDINECEEFGICPQSCRNSKGSYECFCVDGFKSMSTHYGERCAADGSP LLLL
 PENVRIRKYNTSSEKFSEYLEEEHIQTIDYDWDPEHIGLSVYVYTVLAQGSQF GAIKRAYIPNFESGSN
 NP IREVDLGLKYLMPDGLAVDWVGRHIYWSDAKSQRIEVATLDGRYRKLWITTLQDQPAIAVNP KLG
 MFWTDQGKQPKIESAWMNGEHRVSVLENL GWPNGLSIDYLNDDR VYWSDSKEDVIEAIKYDGTDRRLII
 NEAMKPFSLDIFEDKLYWAKEKEGEVWRQNKFGKENKEKVLV VNPWL TQVRI FHQLRYNQSVSNPCKQVC
 SHLCLLRPGGYSACAPQGSDFVTGSTVQDAASELPVTMPPPCRCMHGGNCYFDENELPKCKCSSGYSGE
 YCEVGLSRGIPPGTTMAVLLTFVIVIIIGALVLVGLFHYRKTGSLLPTLPKLPSSLAKPSENGGVTF
 RSGADVNM DIGVSPF GPETIIDRSMAMNEHFVMEVGKQPVIFENPMYAAKDNTSKVALAVQGPSTGAQVT
 VPENVENQNYGRPIDPSEIVPEPKPASPGADEIQGKKWNIFKRKPKQTTNFENPIYAEMDSEVKDAVAVA
 PPPSPSLPAKASKRNLTPGYTATEDTFKDTANLVKEDSDV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

AscI-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_030827.1 , NP_110454.1
RefSeq Size:	15438 bp
RefSeq ORF:	13983 bp
Locus ID:	29216
UniProt ID:	P98158
Cytogenetics:	3q21
MW:	519.3 kDa
Gene Summary:	receptor for low density lipoprotein and a major kidney glomerular antigen for rat Heymann nephritis [RGD, Feb 2006]