

Product datasheet for **MR210904**

Gpld1 (NM_008156) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpld1 (NM_008156) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpld1
Synonyms:	6330541J12Rik; AW546131
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210904 representing NM_008156
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGCAGGCAGGCTGTGGTCTAGCCTGCTGCTTCTGCTGCCTTTTTCTGCTCTAAAAGCTCATCTT
 GTGGTCTCTCAACACATGTAGAAATAGGACACAGGGCTCTGGAGTTTCTTCGGCTTCAAGATGGACGCAT
 TAACTACAAAGAGCTGATCTTAGAGCACCAGGACGCATATCAGGCTGGGACCGTGTTCCTGATGCCTTT
 TATCCTAGCATCTGCAAAAGAGGAAAATATCATGACGTTTCTGAGAGGACTCACTGGACTCCATTTCTTA
 ACGCCAGCATCCATTATTCGAGAGAATACCTCTGCCCTGGGAGAAGGACACAGAGAAGTTGGTGGC
 TTTCTTGTGGAAATCACCTCCACATGGTCGCTGACGTGAGCTGGCATAGCCTGGGTATTGAACAAGGG
 TTCCTCAGGACAATGGGAGCTATCGATTTTACAACCTTACTCTGACGCTCACTCGGCTGGTATTGTTG
 GAGGAGATGTGTTGAGCCAGTTGAATTTAATTTAATTACCTCTCACGGCGCTGGTACGTGCCCGTCAG
 GGATCTTCTGAGAATTTATGATAATCTCTATGGTCGGAAAGTCATCACAAAGACGTCCTTGTGATTGC
 ACCTACCTTCAGTTCCTGGAAATGCACGGGGAGATGTTTGCTGTTTCCAAGCTCTATTCCACGTACTCTA
 CAAAGTCCCCATTTCTGGTGGAGCAGTTCCAAGACTATTTCTCGGAGGTCTGGATGACATGGCATTCTG
 GTCCACGAACATTTACCGTTTGACCAGCTTTATGCTGGAGAACGGGACCAGTGACTGCAACCTGCCTGAG
 AACCCCTGTTCATCTCCTGTGATGGCAGGAACACACCTCAGTGGCTCAAAGTGCAGAAAAATGATT
 TTCACAGGAATTTGACCATGTTCAATAAGTAGAGACATCAGGAAAAACCTCAATTACACAGAAAGAGGCGT
 GTTCTACAGCACAGGCTCCTGGGCCCGGAATCTGTCACCTTTATGTACCAGACTCTGGAGAGGAACCTG
 AGGCTGATGCTTGGTGGCAGCTCTCAGAAAAATCTGAATCATGTCTCCAGCCCTCTGCCTCACACCC
 TGCTGTCCCCTATGCCAGGCTCGGCTGGGTATGACCTCAGCTGACCTCAACCAGGATGGCAGCGGAGA
 CCTCGTGGTGGGTGCACCAGGCTACAGCCACCCTGGCCGCTTCCAGATTGGGCGGGTGTACATCATCTAT
 GGCAACGATCTGGGCTGCCTCCATCGACCTGGACTTAGACAAGGAGGCCCATGGGATCTGGAGGGCT
 TCCAGCCTTCAGTTCGCTTTGGCTCAGCTTTGGCCGTGCTGGACTTCAACCAGGATGGGCTGCCTGACCT
 GGCTGTGGGCGCTCCCTCCGTGGGCTCAGGGCAGCTCACCTACAATGGCTCGGTGTATGTCTACTATGGT
 TCCCAGCAAGGGAGGCTGTCTTCTCCCTAACGTCACCATCTCCTGCAAGGACACCTACTGTAACCTGG
 GCTGGACCCTCTGGCAACAGATGCAGACGGAGATGGCCGGCAGCATCTGGTCATCAGCTCCCCTTTCGC
 ACCAGGTGGAGGAAGCAGAGAGGAATTTGGCCACCTTTTATTCTCACCCAGACGGAATGACAAAGAA
 TTAAGTACTTTGGAGGAAGCTGACTGGAAGGTGAATGGGAGGAGGACTTCTCGTGGTTTGGATACTCCC
 TTCACGGGGTACAGTGGCAAAACAGAAGCTGCTGCTGATTGGGAGCCCGACCTGGAAGAATGTCAGCAG
 GATGGCACGCTCAAGCCAAAAAGAACCAAGAGGAAAAGAGCCTGGGAAAGGTGTACGGCTACTTTCTC
 CCGAACCGCCAGAGCACAAATCACTATCTCGGGAGATAAGGCGATGGGAAAGCTGGGTACCTCCCTGTCCA
 GTGGTTATGTGAGAGTGAATGGGACCCTAACCCAAGTCTGCTGGTTGGAGCCCCACTCATGATGACGT
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 GAGAAGACACAGCCTGCTCTGCTCAGCACATTCAGTGGAGACCGACGCTTTTCTCGATTTGGTAGTGTC
 TGCACCTGACTGACCTGGATGATGATGGCTTAGATGAAATCATCATGGCTGCCCACTGAGGATAACAGA
 TGTCACTTCCGGACTGCTAGGGGAGAGAAGATGGGCGAGTGTACATTTAATGGCATGTATACCACCTTA
 GGTGACATGACCGCAAATGCAAGTCTGGATGACTCCATGTCCGGAGGAGAAGGCACAGTATGTACTAA
 CTTCTCCAGAGGCAAGTTCAAGTTTGGGAGCTCGCTGGTGTCCGTGCGGTCTAAGGGAAGGAACCAAGT
 GGTGTTGCTGCTGGAAGGAGTTCTTGGGGAGCCCGGCTCTGTTGGGCACTTCATGTCTACAGCTTCAGC
 TCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210904 representing NM_008156
Red=Cloning site Green=Tags(s)

MSAGRLWSSLLLLPLFCSKSSSCGLSTHVEIGHRALEFLRLQDGRINYKELILEHQDAYQAGTVFPDAF
 YPSICKRGKYHDVSErTHWTPFLNASIHYIRENYPLPWEKDTEKLVAFLFGITSHMVADVSWHSLGIEQG
 FLRTMGAI DFYNSYSDAHSAGDFGGDVL SQFEFNFNYSRRWYVPVRDLLRIYDNL YGRKVITKDLVDC
 TYLQFLEMHGEMFAVSKLYSTYSTKSPFLVEQFQDYFLGGLDDMAFWSTNIYRLTSFMLENGTSDCNLPE
 NPLFISCDGRNHTLSGSKVQKNDFHRNLTMFISRDIRKLNLYTERGVFYSTGSWAPE SVTFMYQTLERNL
 RLMLAGSSQKLNHNHSSPSASYT LSVPYARLGWVMTSADLNQDGHGDLVVGAPGYSHPGRFQIGRVYIIY
 GNDLGLPPIDL DL DKEAHGILEGFQPSGRFGSALAVLDFNQDGLPDLAVGAPSVGSGQLTYNGSVYVYGG
 SQQGR LSSSPNVTISCKDTYCNL GWTL LATDADGDGRHDLVISSPFAPGGGKQRGIVATFYSHPRNDKE
 LLTLEEADWKVNGEEDFSWFGYSLHGVTVANRSLLLIGSPTWKNVSRMARSSHKKNQEEKSLGKVYGYFL
 PNRQSTITISGDKAMGKLGTSLSGYVRVNGTLTQVLLVGAPTHDDVSKMAFLTMTLHQGGATRMVELAP
 EKTQPALLSTFSGDRRF SRFGSVLHLTDLDDGLDEIIMAAPLRI TDVTSGLLGGEDGRVYIYNGMYTTL
 GDMTGKCKSWMTPCPEEKAQYVLT SPEASSRFGSSLVSVRSKGRNQVVVAAGRSSWGARLSGALHVYSFS
 SD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9006_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

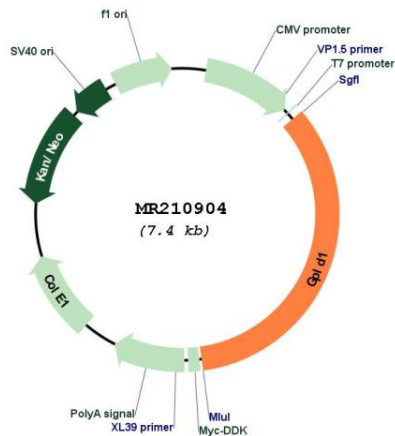
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_008156
ORF Size:	2526 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_008156.2 , NP_032182.2
RefSeq Size:	4659 bp
RefSeq ORF:	2529 bp
Locus ID:	14756
Cytogenetics:	13 10.79 cM
MW:	94.1 kDa

Product images:



Circular map for MR210904