

Product datasheet for **MG210266**

Lrfn5 (BC052038) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrfn5 (BC052038) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrfn5
Synonyms:	AI427653; AI604817; C130061B21; mKIAA4208
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210266 representing BC052038
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAAATTCCTTTTTACCTGTTTCTCATTGGCAGCTGTGCGAGCTCAGATCTGTCCAAAGCGTT
 GTGTCTGCAGATTTTGTCTCCAAATCTTGCAACCCCTTTGTGCCAAGAAAGGGCTTCTATTTGTCCACC
 AAACATTGACAGAAGAACTGTGGAGCTACGGCTGGCAGACAATTTTGTACAAATATCAAAAGGAAAGAT
 TTTGCCAATATGACCAGCTTGGTGGACCTGACTCTATCCAGGAATACAATAAGTTTTATTACACCCCATG
 CTTTTGCTGATCTACGAAATTTGAGAGCACTGCATTTGAATAGCAACAGATTGACTAAAATTACAAATGA
 TATGTTCACTGGGCTTCCAATCTCCACCATTTGATATTGAACAACAATCAGCTGACTTTAATTTCTTCC
 ACAGCCTTCGATGATGTTTTGCCCTTGAGGAGCTGGACCTGCCTATAATAATCTAGAAACGATTCCCT
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 TAAGGGTACTTTCTCCACTTGACAAGATGACTCGGCTAGATGTAACATCAAATAAACTGCAAAAGCTG
 CCTCCTGACCCTCTGTTTCAGCGAGCACAGGTGCTGGCCACCTCAGGAATCATAAGCCCATCGACTTTTG
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 GAGTTTTTGTGTGAGCCTCCGCTCATCACTCGTCATACACATGAGATGAGAGTCTTGAGGGTCAAAGGG
 CAACACTGAGGTGCAAAGCTCGAGGAGACCCTGAACTGCGATTTCATTGGATTTCCCTGAAGGGGAAGCT
 GATTTCAAATGCAACACGATCTCTGGTGTATGATAACGGGACACTTGACATCCTTATAACAACTGTAAAA
 GATACAGGAGCTTTTACCTGTATTGCTTCCAATCCGGCAGGGGAAGCAACACAAAACCGTGGATCTTACA
 TAATTAACCTCCCTCACCTACTAAACAGCACCAATCATATCCATGAGCCTGATCCTGGTTCTTCTGATAT
 CTCCACATCCACTAAGTCAGGCTCGAATGCTAGCAGTAGTAATGGTGATACAAAAATGAGTCAAGATAAA
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 GAGCAAAACATTTCTGGTCAATAATCTGGCATCTGGAATATGTATGACTTGTGTGCTTGGCCATCTAT
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 ATGTCCGTTGCCACTTTATGCAGTCCCAGTTCTTGGTGGCACCATGATTATTATCATTGGTGGAAATCAT
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 CGCTGCCCCAGTCCATGTCCAAACAAGCCATGGGCCATGAAGAGAATGCCAGTGTGTAAGTTGCCAG
 TGACAATGCAATTCAGTCTTCAGAAACATGTTTCGAGTCAGGACTCTTCTACCACTACCTCTGCTTTGCC
 CCTACCTGGACTTCAAGTGCCTGTGTCTCAAAAGCAGAAAAGAAAGACTGGCAGCAAGCCAAGTGTCTG
 AGCCGAGAGTGAAGCTGTACAAATGTTGAGTCCAAAACACTAACAGGAACAACCTCAACTGCCTTGCA
 GTTAGCTAGCTGCCCTCCTGATTCTGTTACAGAGGGGCCACATCTCAAAGAGCACATACCAAGCCAAAT
 GCTTTGCTGACTAATGTTGATCAGAATGTCCAGGAAACACAGAGGCTGGAGTCCATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210266 representing BC052038
 Red=Cloning site Green=Tags(s)

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MEKFLFYLFLLIGIAVRAQICPKRCVCQILSPNLATLCAKKGLLFVPPNIDRRTVELRLADNFVTNIKRKD
FANMTSLVDLTLSRNTISFITPHAFADLRNLRALHLNSNRLTKITNDMFSGLSNLHHLILNQNQLTISS
TAFDDVFALEELDLSYNNLETIPWDAVEKMSVLSLHTLSLDHNMIDNIPKGTFSHLHKMTRLDVTSNKLQKL
PPDPLFQRAQVLATSGIISPSTFALSFGGNPLHCNCELLWLRRLSREDDLETASPALLTGRYFWSIPEE
EFLCEPPLITRHTHEMRVLEGQRATLRCKARGDPEPAIHWISPEGKLISNATRSLVYDNGTLDILITTVK
DTGAFTCIASNPAGEATQTVDLHIKLPHELLNSTNHIHEPDPGSSDISTSTKSGSNASSNGDTKMSQDK
IVVAEATSSALLKFNQIRNIPGIRMFQIQYNGTYDDTLVYRMIPPTSKTFLVNNLASGTYDLCVLAIIY
DDGITSLTATRVVGCIQFTTEQDYVRCHFMSQFLGGTMIIGGIIVASVLFVFIILMIRYKVCNNNGQ
HKVTKVSNVYSQTNGAQMQGCSVTLQSMKQAMGHEENAQCCKVASDNAIQSSETCSSQDSSTTTSALP
PTWTSSAPVSQKQKRKTGKPSAEPQSEAVTNVESQNTNRNNSTALQLASCPDPSVTEGPTSQRAHTKPN
ALLTNVDQNVQETQRLESI
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

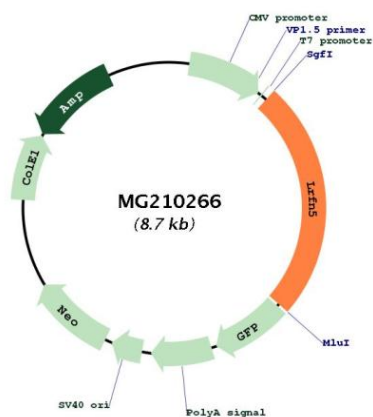


ACCN: BC052038

ORF Size: 2157 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC052038 , AAH52038
RefSeq Size:	2782 bp
RefSeq ORF:	2159 bp
Locus ID:	238205
Cytogenetics:	12 C1
Gene Summary:	Cell adhesion molecule that mediates homophilic cell-cell adhesion in a Ca(2+)-independent manner. Promotes neurite outgrowth in hippocampal neurons (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210266