

## Product datasheet for **MG216088**

### Lin54 (NM\_172714) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Lin54
<b>Synonyms:</b>	AI461788
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG216088 representing NM\_172714  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

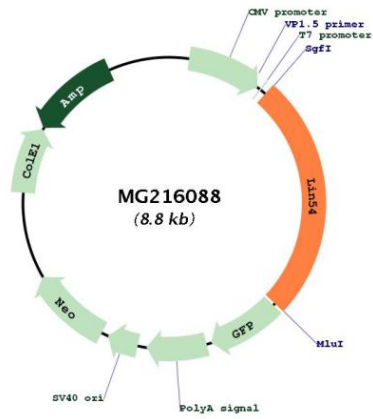
ATGGAGGTGGTCCGGCCGAGGTGAATAGTTTGCTTCCAGACGACATAATGGACTGCTATAACGTTAG  
TGGATGAGGATAGTATTGAGGCTGTAATTGTGTATCCCAATTCATGGAGACAGAGCTGGAAGAAAT  
TGTCACATAAATTCTACCGGTGACTCTACAGCCACGCCCATTTCCACGGAACCAATCACAGTGTACAGT  
AACCACACTAACCAAGTGCAGTGAATACCACAGTTTCTAAAGCAGATTCTAATACCACAGTGAACCAG  
CATTTCCAAGTGGCCTTCAAAAACCTGGTGCTCAGACTCCTGTGACTATATCAGCCAATCAGATTATTTT  
AAACAAAGTATCACAGACATCTGATCTTAAACTTGGCAATCAGACCCCTTAAACCAGATGGACAGAAGTTA  
ATATTAACAACTTTGGGCAAGTCTGGTTCACCAATTGTTTTAGCACTACCCATAGCCAACCTACCCAGG  
CTCAGAAAGTTACAGCTCAGGCCAGCCAGGAGATGCTAAGTTACCACCGCAGCAAATTAAGTAGTTAC  
CATTGGAGGGAGCCAGAGGTGAAACCTGTCATTGGTGTCTCAGCACTGACCCAGGAAGCCAACAGTATT  
AATACTACAACCTCAGCCCTCTGTGTTACAGACCCAAACAGTTAAAAACAGTACAGATTGCTAAGAAGCCTC  
GGACACCAACCTCGGGTCCAGTGATCACGAAGCTGATTTTTGCAAAAACCAATTAATAGCAAAAGCAGTTAC  
AGGACAGACAACTCAAGCATCTCCACCCGTCGTACAGGTAGGGTCTTTTACAGTCTACTCCTGGAACCT  
CCATCAAAGACTATAACAATATCAGAAAGTGGTGTGATTGGATCACTTTAAATTCGACAACACAGACAC  
CAAATAAGATAGCCATCTCACCTTTGAAAGTCGCCAAATAAGACAGTGAATCGGCTGTGCAGACCATCAC  
TGTGGGAGGAATGAGCACCTCACAGTTAAGACCATCATCCCTCTGGCCACTGCTCCCAATGTCCAGCAG  
ATTCAGTGCCTGGAAGCAAGTTTCATTATGTCCGACTTGTACTGCCACAACAGCCAGTAGCTCAGCCC  
AGCCAGTCAGTCAGAGCCCAAGTGTAAACACACAGCCTCTCCAGCAAGCAAAACAGTGGTGTGTTAATAC  
CACCCCTGTACGGATGTCAAGTTCATTTGTCCAAGCTCAGGCCGTTAAGCAAGTTGTTCCAAAACCAATC  
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CTCAGATCCAGCCCAACCTCACTAACCTGCCACCAGGTAAGTGTGCTGGCACCAGCTCCAGGAACAGGGAA  
TGTGGGCTATGCAGTGTCCAGCTCAGTATGTTACTCAGTTACAGCAGTCTTCATATGTGTCTATAGCA  
AGCAACTCTAATTTTACTGGAACATCTGGCATCCAGACACAGGCAAGGCTTCCATTCAATGGCATAATTC  
CATCAGAGTCTACCAGTCGGCCAGAAAACCTGTAACCTGTACAAAATCACTGTGTTTGAATTTACTG  
TGATTGCTTTGCAATGGTGAATTTCTGCAACAACCTGCAACTGTACCAATGTTACAACAATTTAGAGCAC  
GAGAATGAGAGACAAAAGGCAATCAAGGCATGCCTTGATAGAAATCCGGAAGCCTTCAAGCCAAAAGATAG  
GAAAAGGAAAAGAGGGGGAGTCGGATCGGCGGCACAGCAAAGGCTGCAACTGCAAAACGCTCGGGGTGTCT  
TAAAAACTACTGCGAGTGTATGAGGCAAAAATATGTGTTCTTCTATATGCAAAATGCATCGGCTGTAAG  
AATTTTGAAGAAAGCCAGAACGGAAGACATTGATGCCTTAGCAGATGCGGCTGAAGTAAGGGTCCAGC  
AGCAGACAGCAGCGAAGACCAAGCTGTCTCTCAGATCTCAGACCTCCTTACAAGGCCAACCCAGCTCT  
CAACAGTGCAGGAGGAAATGCCGTTTACATTTGTAACCTAAAGAAGTAGCTGAAGCCACGTGTAATTGC  
CTTCTTGCCAGGAGCAGCAGGAGCAGACAAGAAGGGGAAATCAAAGGCGGCAGCAGAGCGGATGATACTTG  
AGGAATTTGGACGATGTTTGTGAGCGTCATCAACTCTGCAGGAAAAGCCAAAAGTGACCCCTGTGCCAT  
GCACTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_172714.4</a> , <a href="#">NP_766302.2</a>
<b>RefSeq Size:</b>	4464 bp
<b>RefSeq ORF:</b>	2250 bp
<b>Locus ID:</b>	231506
<b>UniProt ID:</b>	<a href="#">Q571G4</a>
<b>Cytogenetics:</b>	5 E4
<b>Gene Summary:</b>	Component of the DREAM complex, a multiprotein complex that can both act as a transcription activator or repressor depending on the context. In G0 phase, the complex binds to more than 800 promoters and is required for repression of E2F target genes. In S phase, the complex selectively binds to the promoters of G2/M genes whose products are required for mitosis and participates in their cell cycle dependent activation. In the complex, acts as a DNA-binding protein that binds the promoter of CDK1 in a sequence-specific manner. Specifically recognizes the consensus motif 5'-TTYRAA-3' in target DNA. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216088