

## Product datasheet for **RG213537**

### **LIN28B (NM\_001004317) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIN28B (NM_001004317) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LIN28B
Synonyms:	CSDD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213537 representing NM_001004317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAAGGCGGGCTAGCAAAGGTGGTGGAGAAGAGCCCGGAAGCTGCCGGAGCCGGCAGAGGAGG  
AATCCCAGGTTTTGCGCGGAAGTGGCCACTGTAAGTGGTTCAATGTGCGCATGGGATTTGGATTCATCTC  
CATGATAAACGAGAGGGAAGCCCCTTGGATATTCCAGTCGATGTATTTGTACACCAAAGCAAATATTC  
ATGGAAGGATTTAGAAGCCTAAAAGAAGGAGAACCAGTGAATTCACATTTAAAAATCTTCCAAAGGCC  
TTGAGTCAATACGGTAACAGGACCTGGTGGGAGCCCCTGTTTAGGAAGTGAAAGAAGACCCAAAGGGAA  
GACACTACAGAAAAGAAAACCAAAGGGAGATAGATGCTACAACCTGGTGGCCTTGATCATCATGCTAAG  
GAATGTAGTCTACCTCCTCAGCCAAAGAAGTGCCATTACTGTGAGAGCATCATGCACATGGTGGCAAAT  
GCCCACATAAAAAATGTTGCACAGCCACCCGCGAGTTCTCAGGGAAGACAGGAAGCAGAATCCCAGCCATG  
CACTTCAACTCTCCCTCGAGAAGTGGGAGGCGGGCATGGCTGTACATCACCACCGTTTCTCAGGAGGCT  
AGGGCAGAGATCTCAGAACGGTCAGGCAGGTACCTCAAGAAGCTTCTCCACGAAGTCATCTATAGCAC  
CAGAAGAGCAAAGCAAAAAGGGCCTTCAGTTCAAAAAGGAAAAAGACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

**Protein Sequence:** >RG213537 representing NM\_001004317  
 Red=Cloning site Green=Tags(s)

MAEGGASKGGGEEPGKLPEPAEEESQVLRGTGHCKWFNVRMGFGFISMINREGSPLDIPVDVVFVHQSKLF  
 MEGFRSLKEGEPVEFTFKKSSKGLSIRVTGPGGSPCLGSERRPKGKTLQKRKPKGDRCYNCGLDHHAK  
 ECSLPPQPKKCHYCQSIMHVMANCPHKNVAQPPASSQGRQEAESQPCTSTLPREVGGGGHCTSPFPQEA  
 RAEISERSGRSPQEASSTKSSIAPEEQSKKGPSVQKRKKT

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001004317

**ORF Size:** 750 bp

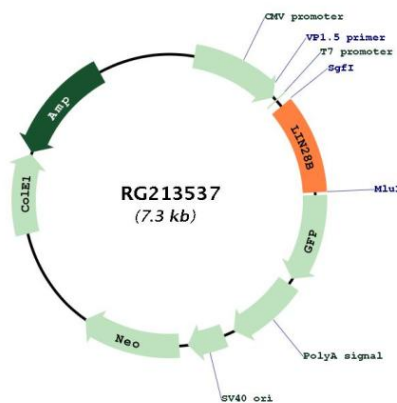
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>RefSeq:</b>	<u>NM_001004317.4</u>
<b>RefSeq Size:</b>	5504 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	389421
<b>UniProt ID:</b>	<u>Q6ZN17</u>
<b>Cytogenetics:</b>	6q16.3-q21
<b>Gene Summary:</b>	The protein encoded by this gene belongs to the lin-28 family, which is characterized by the presence of a cold-shock domain and a pair of CCHC zinc finger domains. This gene is highly expressed in testis, fetal liver, placenta, and in primary human tumors and cancer cell lines. It is negatively regulated by microRNAs that target sites in the 3' UTR, and overexpression of this gene in primary tumors is linked to the repression of let-7 family of microRNAs and derepression of let-7 targets, which facilitates cellular transformation. [provided by RefSeq, Jun 2012]

## Product images:



Circular map for RG213537