

Product datasheet for **RG215586**

LINS (LINS1) (NM_001040616) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LINS
Synonyms:	LINS; MRT27; WINS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215586 representing NM_001040616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAAGTTTCTGTGAAGTTTGAAGAGTTATACAAGAAGTACTTCTTGGAGCCACACTTGAAATG
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 AGAATGGGCAAAACCTGTGGTATCCAGGGCAGGCATCAGCCCATCTCTGTTGGTGTGGCTCCCATTGCT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215586 representing NM_001040616

Red=Cloning site Green=Tags(s)

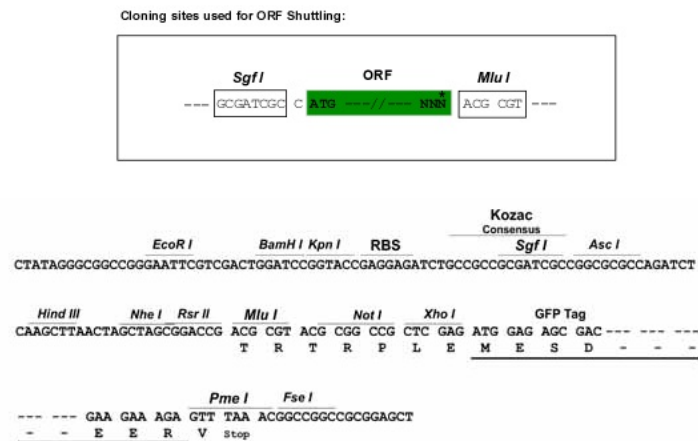
MKVFCEVLEELYKKVLLGATLENDSDYIFYLNPAVSDQDCSTATSLEWANTCGIQGRHQPIISVGVAPIA
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DVVSEVGIFYRIVKCFQELQDAICRLQKKNLFPYNPTALLKLLKYIEVISNKTMTNL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001040616

ORF Size:

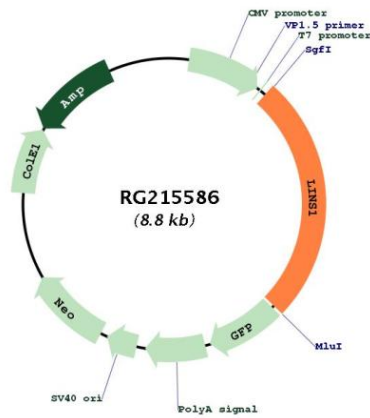
2271 bp

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 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.
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:	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:	NM_001040616.2 , NP_001035706.1
RefSeq Size:	2512 bp
RefSeq ORF:	2274 bp
Locus ID:	55180
UniProt ID:	Q8NG48
Cytogenetics:	15q26.3

Gene Summary:

The Drosophila segment polarity gene *lin* encodes a protein, lines, which plays important roles in development of the epidermis and hindgut. This gene encodes a protein containing a lines-like domain. This gene is located on chromosome 15 and clustered with the gene encoding ankyrin repeat and SOCS box-containing protein 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2017]

Product images:



Circular map for RG215586