

## Product datasheet for **RG209355**

### LACRT (NM\_033277) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LACRT (NM\_033277) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LACRT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG209355 representing NM\_033277  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAATTTACCACTCTCCTCTTGGCAGCTGTAGCAGGGCCCTGGTCTATGCTGAAGATGCCTCCT  
 CTGACTCGACGGGTGCTGATCCTGCCAGGAAGCTGGGACCTCTAAGCCTAATGAAGAGATCTCAGGTCC  
 AGCAGAACCAGCTTCACCCCAAGAGACAACCACAACAGCCAGGAGACTTCGGCGGCAGCAGTTCAGGGG  
 ACAGCCAAGGTCACCTCAAGCAGGCAGGAATAAACCCCTGAAATCCATAGTGGAGAAAAGTATCTTAC  
 TAACAGAACAAGCCCTTGCAAAAGCAGGAAAAGGAATGCACGGAGCGTGCCAGGTGAAAACAATTCAT  
 CGAAAATGGAAGTGAATTTGCACAAAAATTACTGAAGAAATTCAGTCTATTAAAACCATGGGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209355 representing NM\_033277  
 Red=Cloning site Green=Tags(s)

MKFTLLLFLAAVAGALVYAEDASSDSTGADPAQEAGTSKPNEEISGPAEPASPPETTTTAQETSAAAVQG  
 TAKVTSSRQELNPLKSIYEKSIILLTEQALAKAGKGMHGGVPGGKQFIENGSEFAQKLLKFSLLKPWA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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Cloning Scheme:



ACCN: NM\_033277

ORF Size: 414 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:

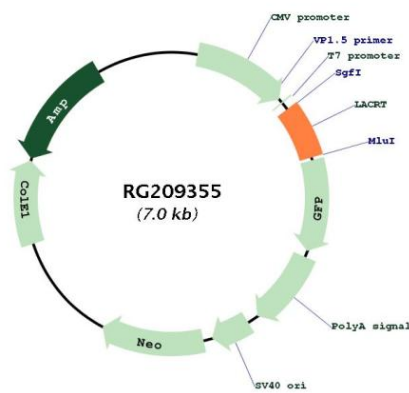
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_033277.2](#)

RefSeq Size: 508 bp

RefSeq ORF:	417 bp
Locus ID:	90070
UniProt ID:	<a href="#">Q9GZZ8</a>
Cytogenetics:	12q13.2
Protein Families:	Secreted Protein
Gene Summary:	The protein encoded by this gene is highly expressed in the lacrimal glands and localized primarily to secretory granules and secretory fluid. It augments lacrimal acinar cell secretion, promotes ductal cell proliferation, and stimulates signaling through tyrosine phosphorylation and release of calcium. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG209355