

Product datasheet for **RN211842**

Lrat (NM_022280) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrat (NM_022280) Rat Untagged Clone
Tag: Tag Free
Symbol: Lrat
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211842 representing NM_022280
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGCTCAATGCTGGAGGCTGCGTCCCTCCTTCTGGAGAAGCTGCTCCTTATTTCCAAGTCAAGA
TCTTTAGCGTGTGCGCCCGGGAGGAGGCACAGGAAGAACAATCCCTATGAAATCAACTCTTTTCTCCG
GGGTGACGTGTTGGAAGTGTACGGACCCATTTACCCACTATGGGATCTACCTGGGGACAACCGTGTC
GCCCATCTAATGCCTGACATCCTGTTGGCCCTGACCAGTGACAAGGAACGCACTCAGAAGGTGGTCTCCA
ACAAGCGTCTCCTCCCAGGAGTCATTTGAAGGTGCCAGCATCCGTGTGGACACAGTAGAGGACTTTGC
CTATGGAGCGGACATCCTCGTCAATCACCTAGACGAGACTCTCAAGAAGAAGTCTTGCTCAATGAGGAG
GTGGCACGCAGAGCAGAGCAGCAGTGGGGCTGACCCCTACAGCCTACTGTGGAACAACGCGAACACT
TTGTGACCTACTGCAGATACGGCTCTCCTATCAGTCCGCAGGCTGAGAAGTTTCACGAGACTGTGAAGAT
ACTCATTGATGATCAGAGAAGTTGCTTGGCTTCTGCTTGGGATTAGTGTCTATTATCTACACAGGC
CTGGCATCATATGACCCTTCTGAGTCTGCATCCCGTTCTGCTTGTGGATGATGTCTGGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022280
Insert Size: 696 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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.
RefSeq:	NM_022280.2 , NP_071616.1
RefSeq Size:	5358 bp
RefSeq ORF:	696 bp
Locus ID:	64047
UniProt ID:	Q9J161
Cytogenetics:	2q34
Gene Summary:	catalyzes the transfer of the sn-1 fatty acid of phosphatidylcholine to retinol bound to a cellular retinol-binding protein; may function to divert retinol into storage during vitamin A adequacy [RGD, Feb 2006]