

Product datasheet for **RR210742**

Lztr1 (NM_001108326) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lztr1 (NM_001108326) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lztr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR210742 representing NM_001108326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGGCTCCGGAGGCCCACTGGGCCCGGGCCTTGACAGGAGGGGTGAGCTCCAAGTGGCTCCGA
 GCGTGGACTTTGACCACAGCTGCTCAGACAGTGTGAGTACCTGACGCTCAACTTTGGACCTTCGAAAC
 TGTGCATCGCTGGCGGCCCTCCCGCCCTGCGACGAATTCGTAGGCGCTCGGCGCAGCAAACACACAGTC
 GTGGCGTATAAGGATGCCATCTATGTGTTTGGCGGAGATAATGGGAAGACGATGCTCAATGATCTCCTGC
 GGTTCCGACGTGAAGGATTGCTCCTGGTGCAGAGCCTTACCACCGGCACTCCTCCAGCCCCCGGTACCA
 CCACTCAGCTGTTGTCTACGGGAGCAGCATGTTCTGTTCCGGGGATATACTGGAGATATTTATTCCAAT
 TCTAATTGAAGAATAAAAATGACCTCTTTGAATACAAGTTTGAACCTGGCCAGTGGACAGAGTGAAGA
 TTGAAGGAAGGTTGCCTGTTGCCAGGTCAGCCCATGGGGTACAGTGTACAGTGACAAGCTCTGGATCTT
 TGCTGGCTATGATGGCAATGCCAGGTTGAACGACATGTGGACAATTGGCCTCCAAGACCGAGAGCTCACA
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 GGGATAAGATGTTTGTGTTCTCAGGACAGAGTGGAGCCAAGATAACCAACAACCTCTTCCAGTTTGAATT
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 CGCTATGGACACACCATGGTGGCCTTTGACCGTCATCTCTATGTGTTTGGGGTGCAGCAGACAATACAC
 TGCCCAATGAGCTGCACTGTTATGATGTGGACTCCAGACCTGGGAGGTTGTCCAACCCAGCTCTGACAG
 TGAGGTTGGTGGGGTGGAGTGCCTGAGCGAGCTTCTTCTTGAGGAGGCATCTACTCTAACCTTGAA
 GAGCGGAGCAGCTTAAAGAAGTCCAGAGATGTGTTTGGCCTAGACTTTGGCACCCTTCAACCAAGCAGC
 CAGTCCACCTGGCATCAGAGCTGCCAGTGGGAGGCTTCCATGCTGCTGCAGTCATATCTGATGCCAT
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 TCGTAGGAAGATTGTGCAGGCCGAGAGTGGTGGCCAGAAGCTGGAGGAAGATGGGGCCCTAGCTCCC
 AAGGAGGCCCTGGCTCAACTGTGGCAGAGCACGGCCACCCCTGTTACGTGTGGCCATTCGTGAGGCTG
 AGGCACGGCCATTTGAGGTGCTCATGCAGTTTCTACACAGACAAGATCAAGTACCCACGAAAGGCCA
 TGTGGAAGACGTGCTGCTCATGATGATGTACAAGCTGGCACTGAGCTTCCAGCTGTGTCGCCTTGAG
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 CATAGACTCCCTGGCCTCCCATATCTCTGACAAGCAGTGTGCAGAGCTGGGTGCTGACATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210742 representing NM_001108326
 Red=Cloning site Green=Tags(s)

MAGSGGPTGPGALTGGVSSKVAPSVDFDHSCSDSVEYLTLNFGPFETVHRWRRLPPCDEFVGGARRSKHTV
 VAYKDAIYVFGDNGKTMNDLLRFDVKDCSWCRAFTTGTTPAPRYHHSVVYGGSSMFVFGGYTGDIIYSN
 SNLKNKNDLFEYKFATGQWTEWKIEGRLPVARSAHGATVYSDKLWIFAGYDGNARLNDMWTIGLQDRELT
 CWEEVAQSGEIPPSCCNFPVAVCRDKMFVFSGQSGAKITNNLFQFEFKDKTWTRIPTEHLLRGSPPPPQR
 RYGHMTMAFDRHLVYVFGAADNTLPNELHCYDVFQWTEVVQPSSDSEVGGAEVPERASSSEESTLTSE
 ERSSFKKSRDVFGLDFGTTSTKQPVHLASELPSGRLFHAAAVISDAMYIFGGTVDNINIRSGEMYRFQFSC
 YPKCTLHEDYGRLEWGRQFCDFEVLGEKEECVQGHVAIVTARSRWLRRKIVQAREWLAQKLEEDGALAP
 KEAPGSTVGRARPLLRVAIREAEARPFVLMQFLYTDKIKYPRKGHVEDVLLIMDVYKLLSFQLCRLE
 QLCRQYIEASVDLQNVLAVCECAARLQLGQLKEHCLNFIVKESHFNQVIMMKEFERLSSPLIVEIVRRKQ
 QPPRTPSDQPVDIGTSLIQDMKAYLEGAGSEFCDITLLLDGHPRAHKAILAARSSYFEAMFRSFMPE
 GQVNIISIGEMVPSRQAFESMLRYIYYGEVNMPPEDSLYLFAAPYYYGFYNNRLQAYCKQNLNEMNVTQV
 LQILEAADKTQALDMKRHCLHIIHVHFTKYSKLPTRLRLLSQQLLLDIIDSLASHISDKQCAELGADI

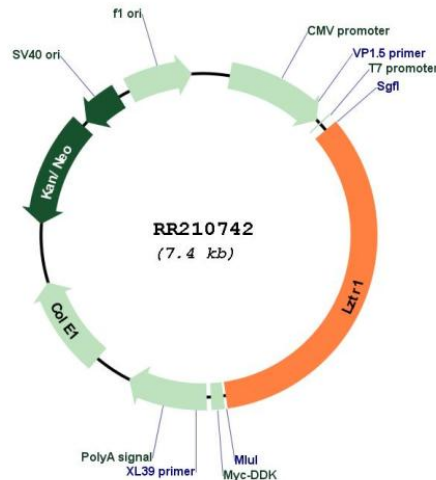
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001108326

ORF Size: 2511 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_001108326.2](#), [NP_001101796.1](#)

RefSeq Size: 2779 bp

RefSeq ORF: 2514 bp

Locus ID: 360745

Cytogenetics: 11q23

MW: 94.5 kDa