

Product datasheet for **RN206590**

lfrd1 (NM_019242) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	lfrd1 (NM_019242) Rat Untagged Clone
Tag:	Tag Free
Symbol:	lfrd1
Synonyms:	Pc4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206590 representing NM_019242
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGAAGAACAAGAAGCGGAACGCTCCCCACCGCGGTGGCGGGGTGGCGCGCTCCGGGGCAGCGA
 CGTCGGCGGCCACGACAGGTGGCCGCATCGACTGTTCAACCTTTCAGTGATGAAGACGCATCCATTGA
 AACAAATGAGCCACTGCAGTGGCTATAGCGATCCTTCCAGTTTCGCGGAGGATGGACCAGAAGTTCTTGAT
 GAGGAAGGAACAGGAAGACTTAGAGTACAAGTTGAAGGGATTAATTGACCTAACCCCTTGATAAGAGTG
 CGAAGACAAGACAGGCAGCTCTTGAAGGTGTTAAAAATGCGCTGTCTTCAAAAGTGTGTATGAGTTTGT
 TCTCGAGAGAAGAATGACTTTAACTGATAGCATTGAGCGCTGTCTGAAAAAGGAAAGAGTGATGGGCAG
 CGCGCAGCTGCAGCGCTCGCTCCGTTCTTTGATTTCAGTTGGCCCTGGATTGGAAAGTGAAGAGATTT
 TAAAGACTCTTGGACCAATCCTAAAAAAATAATTTGTGATGGAACAGCGAGTATCCAGGCTAGGCAGAC
 TTGTGCAACTTGCTTTGGTGTGTTGCTGTTTTATTGCCACAGATGACATCACTGAGCTGTATTCAACTCTG
 GAGTGCTTGAAGGTATCTTACCAAGTCTACCTTAAAGAGAAAAGACACGAACGTTCTTTCGAGCACTC
 TAATACAGTGCTTCACATCAGCTCGCTTCTCGCATGGACGCTACTGCTGACCATATGCCAATCAGTGA
 AGTGAAGAAAAGCTGGAGCTGCATTTCCATAAATTTCCAAGCCTCCTTTCTTGTGATGATGTAACATG
 AGAATTGCTGCTGGCAATCTTTGGCACTTCTGTTTGAATTGGCCAGAGGAATGGAGAGTGACTTTTTTT
 ATGAAGATATGGATTCTTTGACCAGATGCTCCGGGCTCTGGCTACAGATGGAATAAACACCGTGCCAA
 AGTGGACAAGAGAAAGCAGCGCTCTGTCTTTCAGAGACGCTCCTGAGGGCTGTGGAGAACGGGATTTTCCA
 ACAGAAACTGTTAAATTCGGTCTGAGCGCATGTATATTGATAGCTGGGTCAAAAAGCACACCTATGACA
 CGTTTAAAGAGGCTCTTGGATCAGGGATGCAGTACCCTTGCAGACAAATGAATTCCTTCGCAATGTATT
 TGAGCTGGGGCCCTGTGATGCTCGATGCTGCAACACTTAAAACCATGAAGATTCTCGTTTTGAAAGG
 CATTATATAACTCTGCAGCTTTCAAAGCTCGAACAAAAGCCGAAGCAATGCCGAGATAAGAGAGCAG
 ATGTTGGAGAATTCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_019242
- Insert Size:** 1350 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).
- 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_019242.1](#), [NP_062115.1](#)
RefSeq Size: 1736 bp
RefSeq ORF: 1350 bp
Locus ID: 29596
UniProt ID: [P20695](#)
Cytogenetics: 6q21
Gene Summary: may have a role in signal transduction; necessary for muscle differentiation [RGD, Feb 2006]