

## Product datasheet for **MR215328**

### **lfrd1 (NM\_013562) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	lfrd1 (NM_013562) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	lfrd1
Synonyms:	lfnl; PC4; Tis7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR215328 representing NM\_013562  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCGAAGAACAAGAAGCGGAACGCTCCCCACCGCGGTGGCGGGGTGGCGCGGCTCCGGGGCAGCGA  
 CGTCGGCGGCCACGGCAGGTGGCCCGCATCGACTGTTCAACCTTTCAGTGATGAAGATGCATCCATTGA  
 AACAAATGAGCCACTGCAGCGGCTATAGCGATCCTTCCAGTTTTGCGGAGGATGGGCCAGAAGTTCTTGAT  
 GAGGAAGGAACTCAAGAAGACTTAGAGTACAAGTTGAAGGGATTAATTGACCTAACCCCTTGATAAGAGTG  
 CGAAGACAAGACAGGCAGCTCTTGAAGTCTTAAGAATGCACTGTCTTCAAAAGTGTGTATGAGTTTGT  
 TCTCGAGAGAAGAATGACTTTAACTGATAGCATTGAGCGCTGTCTGAAAAAGGAAAGAGTGACGAGCAG  
 CGTGCGGCTGCAGCTGTCGCATCTGTTCTTTGATTTCAGCTGGCCCTGGATTTGAGAGTGAAGAGATTT  
 TAAAGACTCTTGGACCAATCCTAAAAAAAATAATTTGTGATGGAGCAGCTAGTATCCAGGCTAGGCAGAC  
 TTGTGCAACTTGCTTTGGTGTGTTGCTGTTTTATTGCCACAGATGATATCACTGAGCTGTATTCAACTCTG  
 GAATGCTTCGAAAATATCTTACCAAGTCTATCTTAAAGAGAAAAGACACTAATGTTACTTGCAGCACTC  
 CAAATACAGTGCTTCACATCAGCTCGCTTCTCGCGTGGACATTATTACTGACCATATGCCAATCAATGA  
 GGTGAAGAAAAGCTGGAGCTGCATTTCCATAAATTTCCAAGCCTCCTTTCTTGTGATGATGTAACATG  
 AGAATTGCTGCTGGCAATCTTTGGCACTTCTGTTTGAATTGGCCAGAGGAATGGAGAGTGACTTTTTTT  
 ATGAAGATATGGATTCTTTGACCAGATGCTCCGGGCTCTGGCTACAGATGGAAATAAACCCGTGCCAA  
 AGTGGACAAGAGAAAAGCAGCGGTCTGTCTTCAGAGACGTTCTGAGGGCTGTGGAGAACGGGATTTTCCA  
 ACAGAAACTGTTAAATTTGGTCTGAGCGCATGTATATTGATAGCTGGGTCAAAAACATACCTATGACA  
 CGTTTAAAGAGGTTCTTGGATCAGGGATGCAGTACCCTTGAGACAAAATGAATTCCTTCGAAATGTATT  
 TGAGCTTGGACCCCTGTGATGCTTGTGCTGCAACACTTAAAACCATGAAGATTTCTCGTTTTGAAAGG  
 CATTTATATAACTCTGCAGCTTTCAAAGCTCGAACAAAAGCTCGAAGCAAATGCCGAGATAAGAGAGCAG  
 ATGTTGGAGAATTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR215328 representing NM\_013562  
 Red=Cloning site Green=Tags(s)

MPKNKRNAPHRGGGGGGSGAATSAATAGGPHRTVQPFSDASDIETMSHCSGYSDPSSFAEDGPEVLD  
 EEGTQEDLEYKLGKIDLTLDKSAKTRQAALGLKNALSSKVL YEFVLERRMTL TDSIERCLKKGSDEQ  
 RAAA AVASVLCIQLGPGFESEEILKTLGPILKKIICDGAASI QARQTCATCFVCCFIATDDITELYSTL  
 ECFENIFTKSYLKEKDTNVTCTPNTVLHISLLAWTLLLTICPINEVKKKLELHFHKLPSLLSCDDVNM  
 RIAAGESLALLFELARGMESDFFYEDMDSL TQMLRALATDGNKHRKAVDKRKRQSVFRDVLRAVEERDFP  
 TETVKFGPERMYIDSWVKKHTYDTFKEVLGSGMQYHLQTNEFLRNVFELGPPVMLDAATLTKMKISRFER  
 HLYNSAAFKARTKARSKCRDKRADVGEFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9075\\_e03.zip](https://cdn.origene.com/chromatograms/mm9075_e03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_013562

**ORF Size:** 1347 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\\_013562.2](#), [NP\\_038590.2](#)

**RefSeq Size:** 1836 bp

**RefSeq ORF:** 1350 bp

**Locus ID:** 15982

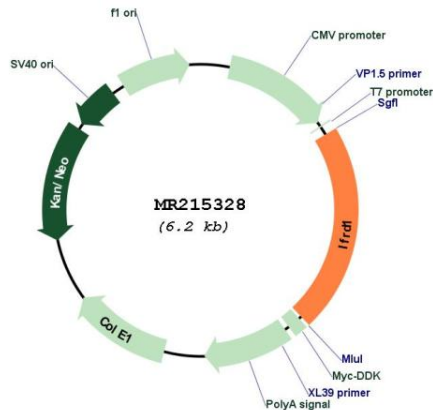
**UniProt ID:** [P19182](#)

**Cytogenetics:** 12 18.06 cM

MW: 49.9 kDa

Gene Summary: Could play a role in regulating gene activity in the proliferative and/or differentiative pathways induced by NGF. May be an autocrine factor that attenuates or amplifies the initial ligand-induced signal.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR215328