

## Product datasheet for **MG207033**

### **lfrd2 (NM\_025903) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** lfrd2 (NM\_025903) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** lfrd2  
**Synonyms:** 1810034A24Rik; AA470234; A1838527; SKMc15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG207033 representing NM\_025903  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTCGTGCTCGGAAGGGCAATGCGCTCCGCAAGGGCGGTGAGCGCCGTGGAGGAGGTGCCAGGAGCA  
GTACCCAGGCTGACTCTGGCTCCAGTGAGGATGAAGCGGCCAGTGAGGCCGGAGCACCACAGTGACTG  
TCCAGCCTTCTCAGCGCCACCACAGGACTGCCTGGGTGGCGAAGCGGTGGACGAACAGAGCCAGCAG  
GAAAACCTGGAGGAGAAGCTGAAAGTTATGTGGACTGCCTGACTGACAAGAGTGCCAAGACCCGCTCAAG  
GAGCCCTGGAGAGCCTGCGCCTGGCCCTGGCCTCCCGCTACTCCGGACTTTCTGCTGGAGCGCAGCCT  
CACTCTGGCGGATGCCCTGGAAAAGTGCCTTAAGAAAGGGAAGGGTGAAGAACAGGCTCTGGCTGCTGCT  
GTGCTAGGCATTCTGTGTGTCAGTTGGGCCCTGGACCCAAGGGCGAGGAGCTGTTCCGTAGCCTGCAGC  
CCTTGCTCATCTCGGTGCTCAGTGACAGTACAGCAAGCCCCACTGCCCGCTCCATTGTGCTTCTGCTCT  
TGGCTTGGGTTGCTATGTGGCTGCCACCGACGTCAGGACCTGGTCTCTTGGCTTGGCCTGCTTGGAAAGT  
GTTTTAGCTGGTCTGTGGCACTAGTGGCTCTGCGGCTCTCTGGTCCCAGCAGCCTCCATGGCCTTC  
TCTGTGCTGCCCTGCAGGCTGGCATTGCTGCTCACCATCTGTCTGGTACCCACATCAGCCATATCCT  
TGACAGGCAGCTGCCCGGCTGCCCGAGCTCTTGTCCAGTGAAAGTGTGAACCTGCGGATTGCTGCTGGT  
GAAGCCATCGCGCTACTCTTTGAGCTTGGCCGGACCTTGAGGAGGACTTCGCTATGAAGACATGGAGG  
CCCTCTGTGGATCTCTGGTACCCTAGCCACCGACAGCAATAAGTACCGTGCCAAGGTTGACCGGCGCG  
CCAGCGCTCCATTTCCGAGCTGTGCTGCACTTTGTTGAGGGTGGTGAATGTGAGGAGGAGACAGTCCGC  
TTCGACTGGAAGTGTCTACATAGACAGCTGGGCTCGCCACCGCATCTACACAGCCTTCAAAGATGTGT  
TGGGCTCTGGCATACTATCACCTCCAGAACAATGAGCTTCTCCGTGACATCTTTGGCCTGGGCCCGT  
GCTAGTGTGGATGCTGCTGCCCTGAAGGCTGCAAGATTTACGCTTTGAAAAGCACCTGTACAATGCT  
GCAGCCTTCAAAGCCCGACCAAGGCCGTAGTCGTGCAAGGGACAAGCGGCAGATATCTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207033 representing NM\_025903  
 Red=Cloning site Green=Tags(s)

MPRARKGNALRKGQRRGGGARSSSTQADSGSSEDEAAASEARSTTSDCPSLLSATTEDCLGGAEVDEQSQQ  
 ENLEEKLKGYVDCLTDKSAKTRQGALESLRLALASRLPDFLLERSLTLADALEKCLKKGKGEQALAAA  
 VLGILCVQLGPGPKGEELFRSLQPLLSIVLSDSTASPTARLHCASALGLGCYVAATDVQDLVSCLACLEG  
 VFSWSCGTSGSAASLVPASLHGLLCAALQAWALLLTICPGTHISHILDRQLPRLPQLLSSESVNLRIAAG  
 EAIALLFELARDLEEDFYVEDMEALCGSLRRTLATDSNKYRAKVDRRRRQRSIFRAVLHFVEGEGEEETVR  
 FGLEVLVIDSWARHRIYAFKDLVLSGSIHYHLQNNELLRDIIFGLGPVVLDAALAKACKISRFEKHLVNA  
 AAFKARTKARSRARDKRADIL

TRTRPLE - GFP Tag - V

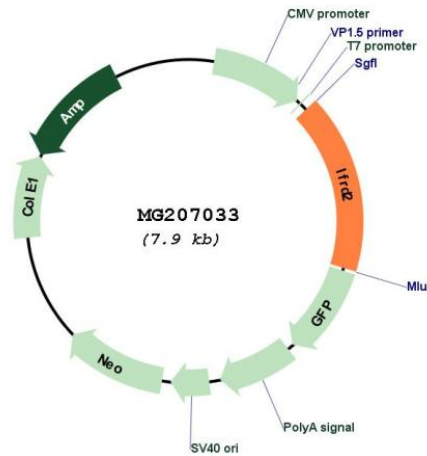
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_025903

<b>ORF Size:</b>	1323 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025903.2</a> , <a href="#">NP_080179.1</a>
<b>RefSeq Size:</b>	1980 bp
<b>RefSeq ORF:</b>	1326 bp
<b>Locus ID:</b>	15983
<b>Cytogenetics:</b>	9 58.24 cM