

Product datasheet for MR228702

Lrif1 (NM_001286685) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrif1 (NM_001286685) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrif1
Synonyms: 2010012G17Rik; 4933421E11Rik; AI450568
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228702 representing NM_001286685
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCAATAGTAAAAAGGAAATTCAGAAAAAGGAAATAACAAGAAATATTCTCAAGGAAGCCATA
CTAATATTAAGGCATCATGTCTGAAGAATGATGCTGAATTTAAAAAGCTATTTGGTCTCACTAAAGATT
GAGAGTATGTCTTACTCGAATTCCTGACCATCTGAGCTCTGGAAAAAGTTTTAATTCCTTAACAGTTTG
ATGAAAAGTAGTTCTTACAAAGATGCAAACATTGTGGTGAAGAAAGAAAAAACAGAGTTTCTCTA
AGAAAAGAAAAGCGGAAACCATGAAGATGGGTAACACAAAAAAGATAAAAAATTGAGAATGCTGATGACAC
GGTCATGAGCATCATGAATGGAAGTGTGTTGCTAGTTCCCAACCTCTCAGTAGTATTTACCAACATCA
GACATATCACAACATAACATTGTCACAAGCCATAGTACAACCAGGGAAGACAAGAGAAGTACTGAGGCAGAAC
ACTGTTCTCATGAGAAGCAGGAAAAAGGCACATTAAGTTCAAGCACATCTTTGAACAAAGTACTTTTT
AAATAAAAACCTTATGGAAGATATTTTCCAGTGACACCAGAACTAGAAGAAACCATCAGAGATGAA
AAAATAAGAAGACTTAAGCAAATTTTAAGAGAAAAAGAAGCAGCTCTTGAAGAATTGCGTAAGAAGATGT
ACCAAAAACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228702 representing NM_001286685
Red=Cloning site Green=Tags(s)

MASIVKKEIQEKGNKKYSQGSHTNIKASCLKNDAEFKKLFG LTKDLRVCLTRIPDHLSSGKSFNSFNSL
 MKSSSYKDANIVVKKEEKKQSFSKRKAETMKGNTKKIKIENADTVMSIMNGTDVASSQPLSSILPTS
 DISQHNIVTSHSTTREDKRTEAEHCSHEKQEKGLSSSTSFEQSTFLNKNFMEDIFPVTPELEETIRDE
 KIRRLKQILREKEAALEELRKKMYQKQ

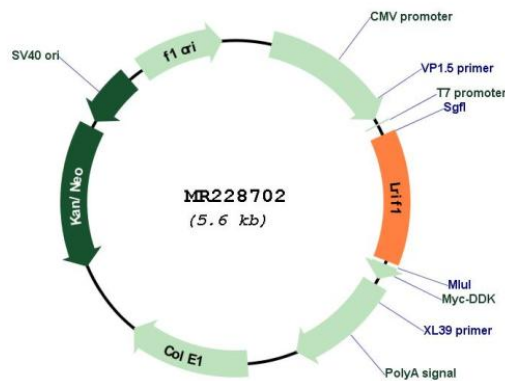
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286685
ORF Size: 711 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:	<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_001286685.1 , NP_001273614.1
RefSeq Size:	3644 bp
RefSeq ORF:	714 bp
Locus ID:	321000
UniProt ID:	Q8CDD9
Cytogenetics:	3 F2.3
MW:	27.5 kDa
Gene Summary:	Together with SMCHD1, involved in chromosome X inactivation in females by promoting the compaction of heterochromatin. Also able to repress the ligand-induced transcriptional activity of retinoic acid receptor alpha (RARA), possibly through direct recruitment of histone deacetylases.[UniProtKB/Swiss-Prot Function]