

Product datasheet for **RC203729**

C1orf103 (LRIF1) (NM_001006945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf103 (LRIF1) (NM_001006945) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf103
Synonyms:	C1orf103; HBiX1; RIF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC203729 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACCATTGAGTACCATCGATCCTAGTGGGACGCGATCCAAAAATATGCCTATTAAGATAATGCTT
 TGGTTATGTTAATGGGAAAGTCTATCTGTTGGCTAAAAAGGGGACAGATGTTCTGCCATCACAAATTGA
 CCAACAGAATTCTGTTTCTCTGATACTCCAGTAAAGAAAAGACACGTTACAGACAGTGAGTTCAAGTCCA
 GTCACAGAAATATCCAGAGAGGTTGTAATATTGTTTTGGCTAAAAGTAAATCTTCCAGATGGAGACAA
 AATCACTTTCCAATACCCAGCTTGCTTCCATGGCCAATCTAAGGGCAGAGAAGAATAAAGTGGAGAAACC
 ATCTCCTTCTACCACAAATCCACATATGAACCAATCCAGTAACTACTTAAACAGAGTAAGACTTTATTC
 ACAATCCAATCTTCCAGTTGGATTTAGTACAGGACACAATGCCCCAGAAAAGTAACAGCCGTCATTT
 ATGCTAGAAAAGGAAGTGTCTCCAGAGCATAGAGAAAAAAGTTCTCTGTTGATGCAACAACCTGTTAC
 TTCACAACAGTGTGTTTTAGAGACCAAGAACCAAGATCCATAATGAGATGGCATCAACATCAGATAAA
 GGTGCCCAAGGAAGAAATGACAAGAAAGATTCTCAAGGAAGAAGTAATAAGGCATTACATCTGAAGAGTG
 ATGCTGAATTTAAAAAGATATTTGGCCTTACTAAGGATTTGAGAGTGTGCCTTACTCGAATTCCTGACCA
 TTTGACCTCTGGAGAAGGTTTCGATTCCTTAGCAGTTTGGTAAAGAGTGGTACTTACAAAGAGACAGAG
 TTTATGGTGAAGGAAGGAGAGAGAAAACAGCAGAAATTTGATAAGAAAAGAAAAGCAAAACTAATAAGA
 AGATGGATCACATAAAGAAGAGAAAAACAGAGAATGCTTATAACGCAATCATAAATGGGGAAAGCTAATGT
 CACCGTTCCCAACTCCTAAGCAGTATTTACCAACTTCAGATGTGTACAACATAACATTCTCACGAGT
 CACAGCAAAACCAGACAAGAAAAGAGAAGTGGATGGAATACTATACCCATGAGAAGCAAGAGAAAAGGCA
 CTTTGAATTCAAATGCAGCTTATGAACAAAGTCATTTCTTCAATAAAAAATTATACCGAAGATATTTCCC
 AGTGACACCACCGAGTTAGAAGAAACCATTCGAGATGAAAAAATAAGAAGACTTAAGCAGGTGCTGAGA
 GAGAAAAGAACGCTCTTGAAGAAATGCGTAAGAAGATGCACCAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203729 protein sequence
 Red=Cloning site Green=Tags(s)

MPPLSTIDPSGTRSKNMPKDNALVMFNGKVYLLAKKGTDLVPSQIDQQNSVSPDTPVRKDTLQTVSSSP
 VTEISREVVNIVLAKSKSSQMETKSLNNTQLASMANLRAEKNKVEKPSPTTNPMMNQSSNYLKQSKTLF
 TNPIFPVGFSTGHNAPRKVTAVIYARKGSVLQSIKISSVDATTVTSSQCVFRDQEPKIHNEMASTSDK
 GAQGRNDKKDSQGRSNKALHLKSDAEFKKIFGLTKDLRVCLTRIPDHLTSGEGFDSFSSLVKSQTYKETE
 FMVKEGERKQNFDKRKAATNKKMDHIKKRKTENAYNAIINGEANVTGSQLLSSILPSTDVSDQHNLTS
 HSKTRQEKREMEYYTHEKQEKGLNSNAAYEQSHFFNKNYTEDIFPVTPELEETIRDEKIRRLKQVLR
 EKEAALEEMRKKMHQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001006945

ORF Size: 1308 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq Size: 1821 bp

RefSeq ORF: 702 bp

Locus ID: 55791

UniProt ID: [Q5T3J3](#)

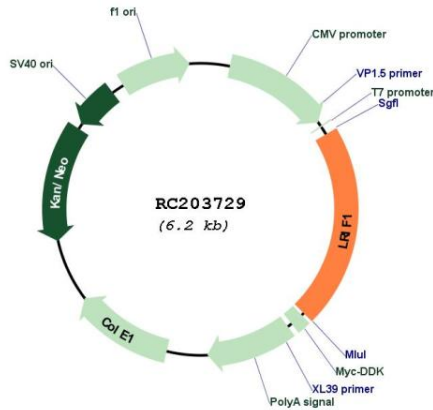
Cytogenetics: 1p13.3

Protein Families: Stem cell - Pluripotency

MW: 49.1 kDa

Gene Summary: Together with SMCHD1, involved in chromosome X inactivation in females by promoting the compaction of heterochromatin (PubMed:23542155). Also able to repress the ligand-induced transcriptional activity of retinoic acid receptor alpha (RARA), possibly through direct recruitment of histone deacetylases (PubMed:17455211).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203729