

Product datasheet for **RG200543**

LDOC1 (NM_012317) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LDOC1 (NM_012317) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LDOC1
Synonyms: BCUR1; Mar7; Mart7; RTL7; SIRH7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200543 representing NM_012317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGTGGATGAGTTGGTGTCTGCTGCACGCGCTCCTGATGCGGCACCGCGCCCTGAGCATCGAGAACA
GCCAGCTCATGGAACAGCTGCGGCTGCTGGTGTGCGAGAGGGCCAGCCTGCTGCGCCAGGTACGTCCGCC
GAGCTGCCCGGTGCCCTTCCCCGAAACGTTAATGGCGAGAGCTCCCGGCTCCCCGAGTTTATCGTGCAG
ACGGCGTCTTACATGCTCGTGAACGAGAACCGATTCTGCAACGACGCCATGAAGGTGGCATTCTAATCA
GCCTCTCACCGGGAAGCCGAGGAGTGGTGGTCCCCTACATCGAGATGGATAGCCCCATCCTAGGTGA
TTACCGGGCCTTCTCGATGAGATGAAACAGTGCTTTGGCTGGGATGACGACGAAGACGACGACGAA
GAAGAGGAGGATGATTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200543 representing NM_012317
Red=Cloning site Green=Tags(s)

MVDELVLLHALLMRHRALSIENSQLMEQLRLVCERASLLRQVRPPSCPVPFPETFNGESSLPEFIVQ
 TASYMLVNENRFCDAMKVAFLISLLTGEAEWVVPYIEMDSPI LGDYRAFLDEMKQCFGWDDDEDDDE
 EEEDDY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_012317

ORF Size: 438 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: [NM_012317.4](#)

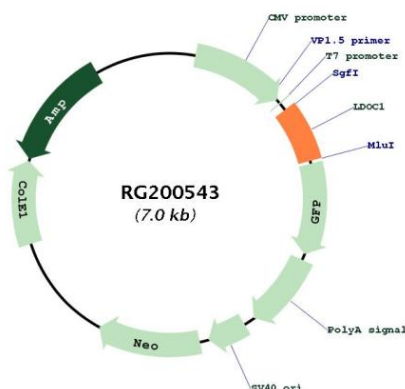
RefSeq Size: 1388 bp

RefSeq ORF: 441 bp

Locus ID: 23641
 UniProt ID: [O95751](#)
 Cytogenetics: Xq27.1
 Gene Summary:

The protein encoded by this gene contains a leucine zipper-like motif and a proline-rich region that shares marked similarity with an SH3-binding domain. The protein localizes to the nucleus and is down-regulated in some cancer cell lines. It is thought to regulate the transcriptional response mediated by the nuclear factor kappa B (NF-kappaB). The gene has been proposed as a tumor suppressor gene whose protein product may have an important role in the development and/or progression of some cancers. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200543