

Product datasheet for **MR225227**

Dlc1 (NM_001194940) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlc1 (NM_001194940) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlc1
Synonyms:	A730069N07Rik; Arhgap7; dlc-1; HP; STARD12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225227 representing NM_001194940 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR225227 representing NM_001194940
 Red=Cloning site Green=Tags(s)

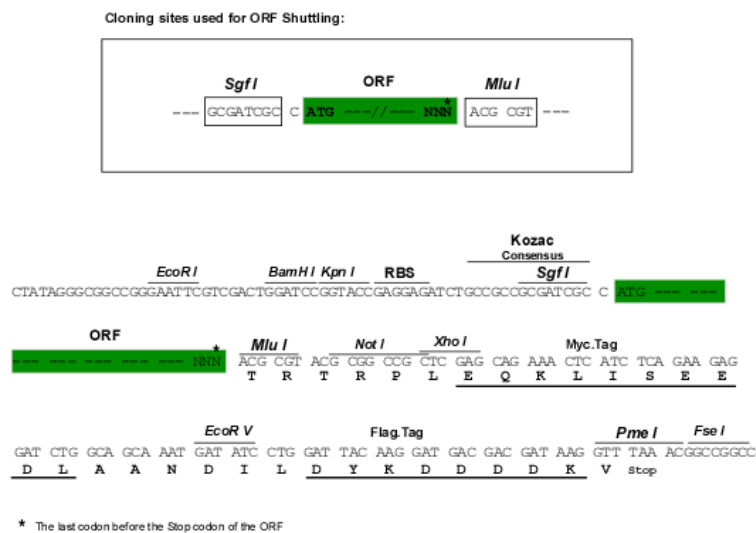
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Chromatograms: https://cdn.origene.com/chromatograms/mm9101_h04.zip

Restriction Sites: SgfI-MluI

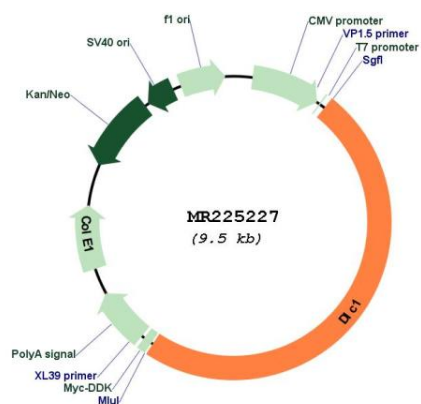
Cloning Scheme:



ACCN: NM_001194940

ORF Size:	4629 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_001194940.2 , NP_001181869.1
RefSeq Size:	7636 bp
RefSeq ORF:	4632 bp
Locus ID:	50768
Cytogenetics:	8 23.05 cM
MW:	173 kDa
Gene Summary:	Functions as a GTPase-activating protein for the small GTPases RHOA, RHOB, RHOC and CDC42, terminating their downstream signaling. This induces morphological changes and detachment through cytoskeletal reorganization, playing a critical role in biological processes such as cell migration and proliferation. Also functions in vivo as an activator of the phospholipase PLCD1. Active DLC1 increases cell migration velocity but reduces directionality (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225227