

Product datasheet for MR203503L3

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Ldlrap1 (NM_145554) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Ldlrap1 (NM_145554) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: Ldlrap1

Synonyms: AA691260; Arh; Arh1; ARH2; FHCB1; FHCB2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

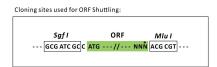
E. coli Selection: Chloramphenicol (34 ug/mL)

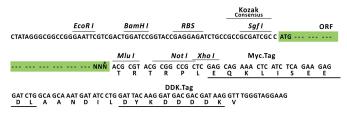
The ORF insert of this clone is exactly the same as(MR203503). **ORF Nucleotide**

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_145554

ORF Size: 795 bp



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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.

RefSeq: <u>NM 145554.1</u>, <u>NP 663529.1</u>

RefSeq Size: 2671 bp
RefSeq ORF: 927 bp
Locus ID: 100017
UniProt ID: Q8C142
Cytogenetics: 4 D3

Gene Summary: Adapter protein (clathrin-associated sorting protein (CLASP)) required for efficient

endocytosis of the LDL receptor (LDLR) in polarized cells such as hepatocytes and

lymphocytes, but not in non-polarized cells (fibroblasts). May be required for LDL binding and internalization but not for receptor clustering in coated pits. May facilitate the endocytocis of LDLR and LDLR-LDL complexes from coated pits by stabilizing the interaction between the

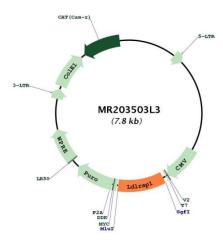
receptor and the structural components of the pits. May also be involved in the

internalization of other LDLR family members. Binds to phosphoinositides, which regulate clathrin bud assembly at the cell surface. Required for trafficking of LRP2 to the endocytic recycling compartment which is necessary for LRP2 proteolysis, releasing a tail fragment which translocates to the nucleus and mediates transcriptional repression (By similarity).

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR203503L3