

Product datasheet for MR215363L4

Rdh12 (NM_030017) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rdh12 (NM_030017) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Rdh12

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The

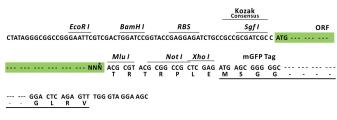
tide The ORF insert of this clone is exactly the same as(MR215363).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_030017

ORF Size: 948 bp

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Rdh12 (NM_030017) Mouse Tagged Lenti ORF Clone - MR215363L4

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 030017.4, NP 084293.1</u>

RefSeq Size: 1694 bp
RefSeq ORF: 951 bp
Locus ID: 77974
UniProt ID: Q8BYK4

Cytogenetics: 12 C3

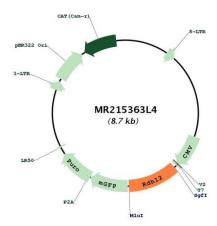
Gene Summary: The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest

activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in the human gene are associated with Leber congenital amaurosis type 13, and

Retinitis Pigmentosa 53. [provided by RefSeq, Sep 2015]



Product images:



Circular map for MR215363L4