

#### **Laboratory Service Report**

### 1-800-533-1710

MCR

MCR

Patient Name SAMPLEREPORT,LDLRS	Patient ID 0000181003	Age 46	Gender F	Order # 0000181003
Ordering Phys				<b>DOB</b> 06/10/1966
Client Order # 0000181003	Account Information			Report Notes
<b>Collected</b> 03/14/2013 22:33	C7028846-DLMP Roc 3050 Superior Drive	hester		
<b>Printed</b> 07/01/2013 11:18	Rochester, MN 55901			

Test Flag Results Unit Value Site\*

LDLR, Full Gene Sequence

RECEIVED: 03/14/2013 22:33 REPORTED: 07/01/2013 11:14

LDLR, Full Gene Sequence

Interpretation MCR

This result does not rule out the diagnosis of familial hypercholesterolemia (FH) in this patient. Some individuals who have features of FH may have a mutation in LDLR or another gene (e.g. APOB, PCSK9) that is not identified by the methods described above. Approximately 10-15% of LDLR mutations are due to large genomic rearrangements which generally cannot be detected via the sequencing methodology utilized here. If applicable, please contact the laboratory at 1-800-533-1710 or the on-line test catalog at www.mayomedicallaboratories.com for information about how to order the test for Familial Hypercholesterolemia, LDLR Large Deletion/Duplication (89073) and/or Apolipoprotein B-100 Molecular Analysis, R3500Q and R3500W (89097). LDLR full gene sequencing was performed via fluorescent DNA sequence analysis of a portion of the promoter, 18 exons, and exon/intron boundaries of the LDLR gene (GenBank number NM\_000527.3).

A genetic consultation may be of benefit.

A list of common polymorphisms identified for this patient is available from the lab upon request.

#### CAUTIONS:

Test results should be interpreted in the context of clinical findings, family history, and other laboratory data. Rare polymorphisms could interfere with test results. If results obtained do not match the clinical findings, additional testing should be considered.

Bone marrow transplants from allogenic donors will interfere with testing. Call Mayo Medical Laboratories for instructions for testing patients who have received a bone marrow transplant.

Laboratory developed test.

Reviewed By Jennifer Herman

A mutation was not detected in LDLR.

LDLR Gene Sequencing

Sequencing Performed MCR

\*\*\*Performing Site Legend on Last Page of Report\*\*\*

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,LDLRS	03/14/2013 22:33	Final
Page 1 of 2		>> Continued on Next Page >>

<sup>\*</sup> Report times for Mayo performed tests are CST/CDT



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>> Accession 0000181003 - Continued From Previous Page << >> Do Not Discard <<

## \* Performing Site:

MCR 200 First St SW Rochester, MN 55905 Lab Director: Franklin R. Cockerill, III, M.D.	MCR	Mayo Clinic Laboratories - Rochester Main Campus	Lab Director: Franklin R. Cockerill, III, M.D.
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Patient Name SAMPLEREPORT.LDLRS	Collection Date and Time 03/14/2013 22:33	Report Status Final
Page 2 of 2	03/14/2013 22:33	** End of Report **

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