Patient ID	Patient Name		Birth Date	Gender	Age
SA00064124	TESTINGRNV, SOS1 POS		1995-06-25	F	18
Order Number	Client Order Number	Ordering Physician	Report Notes		
SA00064124	SA00064124	Client, Client			
Account Information		Collected			
C7028846 DLMP Rochester		05 Nov 2013 12:00			

SOS1, Full Gene Sequence, B

SOS1, Full Gene Sequence

SOS1 Full Gene Result

MCR

A heterozygous pathogenic variant was detected in SOS1:

Exon 10, nucleotide c.1300G>C, amino acid p.Gly434Arg (p.G434R).

SOS1 Full Gene Interpretation

MCR

The presence of this SOS1 variant is consistent with the phenotypic features observed in this patient. Appropriate surveillance and management strategies should be considered.

Since a pathogenic variant has been identified in the SOS1 gene in this individual, genetic testing for this specific variant in other family members is recommended. 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 SOSK (SOS1 Gene, Known Mutation, B). Please refer to family number 1234 when ordering testing on family members of this individual.

ADDITIONAL INFORMATION

Fluorescent DNA sequence analysis was used to test for the presence of variants in all coding exons (1–23) and corresponding exon-intron boundaries of the SOS1 gene (GenBank accession number NM_005633.3).

A genetic consultation may be of benefit.

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

CAUTIONS:

Rare polymorphisms exist that could lead to false negative or positive results. If results obtained do not match the clinical findings, additional testing should be considered.

Test results should be interpreted in the context of clinical findings, family history, and other laboratory data. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

If the patient has had an allogeneic blood or marrow transplant or a recent (i.e. less than 6 weeks from time of sample collection) heterologous blood transfusion these results may be inaccurate due to the presence of donor DNA. Laboratory developed test.

Reviewed By

MCR

Linnea M. Baudhuin, Ph.D.

Received: 06 Nov 2013 09:18 **Reported:** 07 Nov 2013 09:14

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905