Patient ID	Patient Name		Birth Date	Gender	Age
SA00064123	TESTINGRNV, SOS1 NEG		1999-11-12	M	13
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00064123	SA00064123	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 pathogenic variant was not detected in SOS1.

SOS1 Full Gene Interpretation

MCR

This result does not rule out the diagnosis of Noonan syndrome or other SOS1-associated syndrome. Some individuals with features of Noonan syndrome or other SOS1-associated syndrome and involvement of the SOS1 gene may have a pathogenic variant that is not identified by the described testing methodology. In addition, some individuals with this phenotype may have a pathogenic variant in a gene other than SOS1, including PTPN11, RAF1, and KRAS. 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 tests for PT11 (PTPN11, Full Gene Sequence, B), RAF1 (RAF1, Full Gene Sequence, B), and/or KRASB (KRAS, Full Gene Sequence, B).

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 09:13

Performing Site Legend

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