Patient ID	Patient Name		Birth Date	Gender	Age
SA00064083	TESTINGRNV, KRASK POS		2000-11-12	M	12
Order Number	Client Order Number	Ordering Physician	Report Notes		
SA00064083	SA00064083	Client, Client			
Account Information		Collected			
C7028846 DLMP Rochester		04 Nov 2013 12:00			

KRAS Gene, Known Mutation, B

KRAS Gene, Known Mutation

KRAS Known Mutation Result

MCR

The following heterozygous KRAS familial variant was detected in this individual: Exon 2, nucleotide c.101C>T, amino acid p.Phe34Leu (p.p34L).

KRAS Known Mut Interpretation

MCR

The KRAS p.Phe34Leu (p.p34L) variant was previously identified in a family member with features of Noonan syndrome (NS). The presence of this variant, therefore, suggests that this individual is at risk for development and/or exacerbation of features of NS. Appropriate surveillance procedures and/or management strategies should be considered.

Since a pathogenic variant has been identified in the KRAS 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 KRASK (KRAS Gene, Known Mutation, B). Please refer to family number 123 when ordering testing on family members of this individual.

ADDITIONAL INFORMATION

Fluorescent DNA sequence analysis was used to test for the presence of a specific sequence change in the KRAS gene (GenBank accession number NM_004985.3, KRAS Isoform B (used to report variants in exons 2, 3, 4, and 6) or NM_033360.2 KRAS Isoform A (used to report variants in exon 5)), which was previously identified in an affected family member of this individual.

A genetic consultation may be of benefit.

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: 05 Nov 2013 14:31 **Reported:** 06 Nov 2013 07:47

Performing Site Legend

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