



The following applies to ALKT / ALK Mutation Analysis, Next-Generation Sequencing. Next-generation sequencing (NGS) is performed to test for the presence of single nucleotide variations, deletions and insertions in coding regions and intron/exon boundaries of the genes listed. When appropriate, alterations detected are confirmed by an independent reference method, such as Sanger sequencing. Default reportable range offset is +/-2 base pairs around each targeted exon region.

Genomic Build: GRCh37 (hg19) unless otherwise specified.

As a result of technical limitations of the assay (including regions of homology, high GC content, and repetitive sequences), there are regions of some genes that cannot be effectively evaluated. Refer to gene regions table below for complete gene coverage information. To verify if a specific region/exon/variant is covered by this assay, contact the laboratory at 800-533-1710.

<b>Gene</b>	<b>Exon</b>	<b>Chromosome</b>	<b>Genomic Start</b>	<b>Genomic End</b>	<b>Transcript</b>
ALK	Ex1	chr2	30142857	30143527	NM_004304
ALK	Ex2	chr2	29940442	29940565	NM_004304
ALK	Ex3	chr2	29917714	29917882	NM_004304
ALK	Ex4	chr2	29754779	29754984	NM_004304
ALK	Ex5	chr2	29606596	29606727	NM_004304
ALK	Ex6	chr2	29551214	29551349	NM_004304
ALK	Ex7	chr2	29543615	29543750	NM_004304
ALK	Ex8	chr2	29541168	29541272	NM_004304
ALK	Ex9	chr2	29519752	29519925	NM_004304
ALK	Ex10	chr2	29498266	29498364	NM_004304
ALK	Ex11	chr2	29497963	29498095	NM_004304
ALK	Ex12	chr2	29473969	29474135	NM_004304
ALK	Ex13	chr2	29462544	29462698	NM_004304
ALK	Ex14	chr2	29456429	29456564	NM_004304
ALK	Ex15	chr2	29455168	29455316	NM_004304
ALK	Ex16	chr2	29451748	29451934	NM_004304
ALK	Ex17	chr2	29450438	29450540	NM_004304
ALK	Ex18	chr2	29449786	29449942	NM_004304
ALK	Ex19	chr2	29448325	29448433	NM_004304
ALK	Ex20	chr2	29446206	29446396	NM_004304
ALK	Ex21	chr2	29445381	29445475	NM_004304
ALK	Ex22	chr2	29445208	29445276	NM_004304
ALK	Ex23	chr2	29443570	29443703	NM_004304
ALK	Ex24	chr2	29436848	29436949	NM_004304
ALK	Ex25	chr2	29432650	29432746	NM_004304
ALK	Ex26	chr2	29430035	29430140	NM_004304
ALK	Ex27	chr2	29420406	29420544	NM_004304
ALK	Ex28	chr2	29419634	29419728	NM_004304
ALK	Ex29	chr2	29416088	29416790	NM_004304