



ContextualGenomics

FIND IT[®] Cancer Hotspot Panel Gene List

Information for Medical Specialists

Gene	Mutation	Focused panels for selected cancers								
		NSCLC*	Melanoma*	Colorectal*	Glioma**	Breast	Endometrial [^]	GIST	Any solid tumour	
AKT1	E17					✓			✓	
ALK	T1151, L1152, C1156, F1174, L1196, L1198, G1202, D1203, S1206, G1269, R1275	(IHC#)							✓	
AR	L702H, S741, W742, V716, H875, F877, T878								✓	
BRAF	Q201, G466, F468, G469, Y472, D594, G596, L597, V600, K601	✓	✓	✓	✓			✓	✓	
CTNNB1	D32, S33, G34, S37, T41, S45						✓		✓	
DDR2	L239, I638, S768								✓	
EGFR	S492, T790M, Exons: 18, 19, 20, 21	✓							✓	
ERBB2 (HER2)	G309, S310, L755, Exon: 20	✓				✓			✓	
ESR1	K303, S463, V534, P535, L536, Y537, D538					✓			✓	
GNA11	Q209								✓	
GNAQ	Q209								✓	
GNAS	R201								✓	
HRAS	G12, G13, Q61								✓	
IDH1	R132				✓				✓	
IDH2	R140, R172				✓				✓	
KIT	T670, D816, D820, N822, Y823, A829, Exons: 9, 11, 13		✓					✓	✓	
KRAS	G12, G13, A59, Q61, K117, A146	✓		✓					✓	
MAP2K1 (MEK1)	Q56, K57, K59, D67, C121, P124, P387								✓	
MAP2K2 (MEK2)	F57, Q60, K61, L119								✓	
MET	Exons: 13, 14 and 18, Exon 14 splicing regions (from -50 downstream to +25 upstream), Y1253	✓							✓	
NRAS	G12, G13, A59, Q61, K117, A146		✓	✓					✓	
PDGFRA	N659, R560-E571, D842, L839-Y849							✓	✓	
PIK3CA	R88, E542, E545, Q546, D549, M1043, N1044, A1046, H1047, G1049			✓		✓	✓		✓	
POLE	Exons: 9, 10, 11, 12, 13, 14						✓		✓	
PTCH1	W844, G1093								✓	
PTEN	R130								✓	
RET	C634, V804, M918								✓	
ROS1	L2026, G2032	(IHC ⁺)							✓	
SMO	D473, S533, W535								✓	
TP53	Exons: 4, 5, 6, 7, 8, 9				✓		✓		✓	
		Fee	MBS*	MBS*	MBS*	MBS*	\$350	\$350	\$350	\$350/ \$595 [‡]

Information contained within the above table V4.0 is correct at time of printing (July 2020).

* Medicare rebates are available for the NSCLC (73337, 73341, 73344, 73351), melanoma (73336), colorectal (73338), and glioma (73371, 73372) focused panels, subject to eligibility criteria being met. Please refer to the Medicare Benefits Schedule (MBS), www.mbsonline.gov.au, for details.

ALK IHC is performed for all NSCLC samples in parallel with gene panel testing, to detect ALK over-expression. If over-expression is detected, in the absence of an activating EGFR mutation, ALK rearrangement FISH is performed as a reflex test. ALK testing within the FIND IT panel is to detect the listed hotspot mutations.

† ROS1 IHC is performed for all NSCLC samples in parallel with gene panel testing, to detect ROS1 over-expression. If over-expression is detected, in the absence of an activating EGFR mutation or ALK over-expression on IHC, ROS1 rearrangement FISH is performed as a reflex test. ROS1 testing within the FIND IT panel is to detect the listed hotspot mutations.

[^] Mismatch repair and p53 IHC are required for ProMisE genomic classifier.

[‡] 1p/19q co-deletion and +/- EGFR amplification is available by FISH.*

* \$350 if patient is eligible for a rebated focused panel or upgrading from a focused panel.

Please note: Any out-of-pocket charges must be paid prior to testing being performed.

For further information, please refer to our website,
www.sonicgenetics.com.au or call us on 1800 010 447

14 Giffnock Avenue, Macquarie Park, NSW 2113, Australia
T 1800 010 447 | E info@sonicgenetics.com.au
www.sonicgenetics.com.au