

Hedera Profiling 2 ctDNA test panel at a glance

Hedera Profiling 2 ctDNA test panel : 32-gene assay optimized to run cfDNA samples with NGS

Unique Design



The **assay unique design** allows it to assess a **broad range of biomarkers**, including **SNVs, Indels, CNVs, Fusions** and **MSI** in a single DNA-only, streamlined and robust lab-to-report workflow.

Gene List

SNVs/Indels

AKT1, ALK, BRAF, EGFR, ERBB2, ESR1, FGFR1, FGFR2, FGFR3, FGFR4, GNA11, GNAQ, GNAS, HRAS, IDH1, IDH2, KEAP1, KIT, KRAS, MAP2K1, MET, NRAS, NTRK1, NTRK2, NTRK3, PDGFRA, PIK3CA, PTEN, RET, ROS1, STK11, TP53.

CNVs

ALK, BRAF, EGFR, ERBB2, FGFR1, FGFR2, FGFR3, HRAS, KRAS, MET, NRAS, PIK3CA, RET, TP53.

Fusions

ALK, EGFR, FGFR1, FGFR2, FGFR3, MET, NTRK1, RET, ROS1.

MSI

18 markers.

Hedera Profiling 2 ctDNA test panel is considered to be used for Performance Studies Only. The clinical performance evaluation of Hedera Profiling 2 ctDNA test panel has not been established and users can run a local validation under CE-IVDR to use the assay as IH-IVD.

Hedera Profiling 2 ctDNA test panel includes SNVs, Indels, CNVs, Fusions & MSI

The panel at a glance

Gene_id	Transcript	SNV/Indel regions	CNV	Fusions
AKT1	NM_001382430.1	Ex 4	-	-
ALK	NM_004304.5	Full CDS	Yes	Yes
BRAF	NM_004333.6	Full CDS	Yes	-
EGFR	NM_005228.5	Full CDS + Part of Intron 1 (ECD)	Yes	Yes
ERBB2	NM_004448.4	Full CDS	Yes	-
ESR1	NM_000125.4	Ex 5-8	-	-
FGFR1	NM_023110.3	Full CDS	Yes	Yes
FGFR2	NM_000141.5	Full CDS	Yes	Yes
FGFR3	NM_000142.5	Full CDS	Yes	Yes
FGFR4	NM_213647.3	Full CDS	-	-
GNA11	NM_002067.5	Ex 4, 5	-	-
GNAQ	NM_002072.5	Ex 4, 5	-	-
GNAS	NM_000516.7	Ex 8, 9	-	-
HRAS	NM_005343.4	Full CDS	Yes	-
IDH1	NM_005896.4	Ex 4	-	-
IDH2	NM_002168.4	Ex 4	-	-
KEAP1	NM_203500.2	Full CDS	-	-
KIT	NM_000222.3	Full CDS	-	-
KRAS	NM_004985.5	Full CDS	Yes	-
MAP2K1	NM_002755.4	Ex 2-6, 8	-	-
MET	NM_000245.4	Full CDS	Yes	Yes
NRAS	NM_002524.5	Full CDS	Yes	-
NTRK1	NM_002529.4	Ex 8-17	-	Yes
NTRK2	NM_006180.6	Ex 14-19	-	-
NTRK3	NM_001012338.3	Ex 15-20	-	-
PDGFRA	NM_006206.6	Ex 12, 18	-	-
PIK3CA	NM_006218.4	Full CDS	Yes	-
PTEN	NM_000314.8	Full CDS	-	-
RET	NM_020975.6	Full CDS	Yes	Yes
ROS1	NM_001378902.1	Ex 32-41	-	Yes
STK11	NM_000455.5	Full CDS	-	-
TP53	NM_000546.6	Full CDS	Yes	-

- ⇒ For **in-house genomic profiling** of cfDNA samples (total panel size: **90 kb**)
- ⇒ The panel also integrates **METex14 skipping** and **EGFR variant VIII**