

## OTS-Genes (Product Code: OTS-Genes)

### <OTS-KRAS>

Product Code: OTS-G-KRAS

OTS-No	Gene	CDS Change	AA Change
OTS-0440	KRAS	c.34G>C	p.G12R
OTS-0437	KRAS	c.34G>T	p.G12C
OTS-0434	KRAS	c.35G>A	p.G12D
OTS-0438	KRAS	c.35G>C	p.G12A
OTS-0435	KRAS	c.35G>T	p.G12V
OTS-0436	KRAS	c.38G>A	p.G13D
OTS-0445	KRAS	c.182A>T	p.Q61L
OTS-0442	KRAS	c.183A>C	p.Q61H
OTS-0439	KRAS	c.34G>A	p.G12S
OTS-0441	KRAS	c.37G>T	p.G13C

### <OTS-EGFR>

Product Code: OTS-G-EGFR

OTS-No	Gene	CDS Change	AA Change
OTS-0202	EGFR	exon19del	exon 19 del
OTS-0203	EGFR	c.2573T>G	p.L858R
OTS-0204	EGFR	c.2235_2249del	p.E746_A750del
OTS-0205	EGFR	c.2236_2250del	p.E746_A750del
OTS-0206	EGFR	c.2369C>T	p.T790M
OTS-0207	EGFR	c.2582T>A	p.L861Q
OTS-0211	EGFR	c.866C>T	p.A289V
OTS-0219	EGFR	c.664C>T	p.R222C
OTS-0212	EGFR	c.1793G>T	p.G598V
OTS-0208	EGFR	c.2156G>C	p.G719A

### <OTS-ARID1A>

Product Code: OTS-G-ARID1A

OTS-No	Gene	CDS Change	AA Change
OTS-0009	ARID1A	c.5965C>T	p.R1989X
OTS-0010	ARID1A	c.5548dupG	p.D1850Gfs*4
OTS-0011	ARID1A	c.3826C>T	p.R1276X
OTS-0012	ARID1A	c.5161C>T	p.R1721X
OTS-0013	ARID1A	c.2077C>T	p.R693X
OTS-0014	ARID1A	c.4003C>T	p.R1335X
OTS-0016	ARID1A	c.5164C>T	p.R1722X
OTS-0018	ARID1A	c.6259G>A	p.G2087R
OTS-0019	ARID1A	c.6472C>T	p.R2158X
OTS-0020	ARID1A	c.4381C>T	p.R1461X

### <OTS-PIK3CA>

Product Code: OTS-G-PIK3CA

OTS-No	Gene	CDS Change	AA Change
OTS-0592	PIK3CA	c.1633G>A	p.E545K
OTS-0591	PIK3CA	c.3140A>G	p.H1047R
OTS-0593	PIK3CA	c.1624G>A	p.E542K
OTS-0596	PIK3CA	c.263G>A	p.R88Q
OTS-0594	PIK3CA	c.3140A>T	p.H1047L
OTS-0597	PIK3CA	c.1035T>A	p.N345K
OTS-0599	PIK3CA	c.1258T>C	p.C420R
OTS-0595	PIK3CA	c.1636C>A	p.Q546K
OTS-0598	PIK3CA	c.1634A>G	p.E545G
OTS-0600	PIK3CA	c.2176G>A	p.E726K

### <OTS-HRAS>

Product Code: OTS-G-HRAS

OTS-No	Gene	CDS Change	AA Change
OTS-0379	HRAS	c.37G>C	p.G13R
OTS-0380	HRAS	c.182A>G	p.Q61R
OTS-0381	HRAS	c.35G>T	p.G12V
OTS-0382	HRAS	c.182A>T	p.Q61L
OTS-0383	HRAS	c.181C>A	p.Q61K
OTS-0384	HRAS	c.34G>A	p.G12S
OTS-0385	HRAS	c.35G>A	p.G12D
OTS-0386	HRAS	c.38G>T	p.G13V
OTS-0387	HRAS	c.34G>T	p.G12C
OTS-0388	HRAS	c.38G>A	p.G13D

### <OTS-NRAS>

Product Code: OTS-G-NRAS

OTS-No	Gene	CDS Change	AA Change
OTS-0572	NRAS	c.182A>G	p.Q61R
OTS-0573	NRAS	c.181C>A	p.Q61K
OTS-0574	NRAS	c.35G>A	p.G12D
OTS-0575	NRAS	c.38G>A	p.G13D
OTS-0576	NRAS	c.182A>T	p.Q61L
OTS-0577	NRAS	c.34G>A	p.G12S
OTS-0578	NRAS	c.34G>T	p.G12C
OTS-0579	NRAS	c.37G>C	p.G13R
OTS-0580	NRAS	c.183A>T	p.Q61H
OTS-0581	NRAS	c.35G>T	p.G12V

## OTS-Genes (Product Code: OTS-Genes)

### <OTS-TP53>

Product Code: OTS-G-TP53

OTS-No	Gene	CDS Change	AA Change
OTS-0837	TP53	c.524G>A	p.R175H
OTS-0840	TP53	c.817C>T	p.R273C
OTS-0838	TP53	c.743G>A	p.R248Q
OTS-0839	TP53	c.818G>A	p.R273H
OTS-0842	TP53	c.844C>T	p.R282W
OTS-0841	TP53	c.742C>T	p.R248W
OTS-0846	TP53	c.659A>G	p.Y220C
OTS-0843	TP53	c.637C>T	p.R213X
OTS-0847	TP53	c.586C>T	p.R196X
OTS-0849	TP53	c.536A>G	p.H179R
OTS-0844	TP53	c.733G>A	p.G245S
OTS-0848	TP53	c.469G>T	p.V157F
OTS-0856	TP53	c.578A>G	p.H193R
OTS-0845	TP53	c.747G>T	p.R249S
OTS-0852	TP53	c.818G>T	p.R273L

### <OTS-FGFR2/3>

Product Code: OTS-G-FGFR

OTS-No	Gene	CDS Change	AA Change
OTS-0340	FGFR2	c.755C>G	p.S252W
OTS-0341	FGFR2	c.1650T>A	p.N550K
OTS-0350	FGFR3	c.746C>G	p.S249C
OTS-0351	FGFR3	c.1124A>G	p.Y375C
OTS-0352	FGFR3	c.742C>T	p.R248C

### <OTS-BRAF>

Product Code: OTS-G-BRAF


OTS-No	Gene	CDS Change	AA Change
OTS-0061	BRAF	c.1799T>A	p.V600E
OTS-0062	BRAF	c.1798_1799delinsAA	p.V600K
OTS-0063	BRAF	c.1801A>G	p.K601E
OTS-0069	BRAF	c.1798G>A	p.V600M
OTS-0065	BRAF	c.1406G>C	p.G469A

### <OTS-TERT promoter>

Product Code: OTS-G-TERT

OTS-No	Gene	CDS Change	AA Change
OTS-0833	TERT p	C228T	NA
OTS-0834	TERT p	C250T	NA

### OTS-Probes

	容器単位 : 0.5mL自立型Oリングレスルーブスクリューキャップチューブ						
	使用方法 : DNase/RNase-free distilled water を15μL 入れ、チューブの底部および壁部に付着しているプライマー・プローブ混合物を溶解						
	蛍光色素 : HEX (wild type), VIC (mutant type)						
	使用期限 : 溶解後 1 年以内						
保存方法 : 未開封 (乾燥品) : -20°C保存							
開封溶解後 : -20°C保存							
解析回数/チューブ :	<table border="1"> <tbody> <tr> <td>Bio-Rad QX200</td> <td>約6アッセイ分</td> </tr> <tr> <td>ThermoFisher QuantStudio 3D</td> <td>約8アッセイ分</td> </tr> <tr> <td>ThermoFisher QuantStudio Absolute Q</td> <td>約12アッセイ分</td> </tr> </tbody> </table>	Bio-Rad QX200	約6アッセイ分	ThermoFisher QuantStudio 3D	約8アッセイ分	ThermoFisher QuantStudio Absolute Q	約12アッセイ分
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ThermoFisher QuantStudio 3D	約8アッセイ分						
ThermoFisher QuantStudio Absolute Q	約12アッセイ分						

\* 「OTS-Probes」は、岩手医科大学医歯薬研究所が開発し特許化した技術の移転を受け、株式会社クオントディテクトが開発・製造したものです。