

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

<OTS-KRAS>

Product Code: OTS-G-KRAS-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	<i>KRAS</i>	c.34G>C	p.G12R	✓	
2	<i>KRAS</i>	c.34G>T	p.G12C	✓	
3	<i>KRAS</i>	c.35G>A	p.G12D	✓	
4	<i>KRAS</i>	c.35G>C	p.G12A	✓	
5	<i>KRAS</i>	c.35G>T	p.G12V	✓	✓
6	<i>KRAS</i>	c.38G>A	p.G13D	✓	✓
7	<i>KRAS</i>	c.182A>T	p.Q61L		✓
8	<i>KRAS</i>	c.183A>C	p.Q61H	✓	
9	<i>KRAS</i>	c.34G>A	p.G12S	✓	
10	<i>KRAS</i>	c.37G>T	p.G13C	✓	

<OTS-EGFR>

Product Code: OTS-G-EGFR-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	<i>EGFR</i>	exon19del	exon 19 del	✓	
2	<i>EGFR</i>	c.2573T>G	p.L858R	✓	
3	<i>EGFR</i>	c.2235_2249del	p.E746_A750del	✓	
4	<i>EGFR</i>	c.2236_2250del	p.E746_A750del		✓
5	<i>EGFR</i>	c.2369C>T	p.T790M	✓	
6	<i>EGFR</i>	c.2582T>A	p.L861Q	✓	
7	<i>EGFR</i>	c.866C>T	p.A289V		✓
8	<i>EGFR</i>	c.664C>T	p.R222C		✓
9	<i>EGFR</i>	c.1793G>T	p.G598V		✓
10	<i>EGFR</i>	c.2156G>C	p.G719A		✓

<OTS-ARID1A>

Product Code: OTS-G-ARID1A-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	<i>ARID1A</i>	c.5965C>T	p.R1989X		✓
2	<i>ARID1A</i>	c.5548dupG	p.D1850Gfs*4		✓
3	<i>ARID1A</i>	c.3826C>T	p.R1276X		✓
4	<i>ARID1A</i>	c.5161C>T	p.R1721X		✓
5	<i>ARID1A</i>	c.2077C>T	p.R693X		✓
6	<i>ARID1A</i>	c.4003C>T	p.R1335X	✓	
7	<i>ARID1A</i>	c.5164C>T	p.R1722X		✓
8	<i>ARID1A</i>	c.6259G>A	p.G2087R		✓
9	<i>ARID1A</i>	c.6472C>T	p.R2158X		✓
10	<i>ARID1A</i>	c.4381C>T	p.R1461X		✓

<OTS-PIK3CA>

Product Code: OTS-G-PIK3CA-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	<i>PIK3CA</i>	c.1633G>A	p.E545K	✓	
2	<i>PIK3CA</i>	c.3140A>G	p.H1047R	✓	
3	<i>PIK3CA</i>	c.1624G>A	p.E542K	✓	
4	<i>PIK3CA</i>	c.263G>A	p.R88Q	✓	
5	<i>PIK3CA</i>	c.3140A>T	p.H1047L	✓	
6	<i>PIK3CA</i>	c.1035T>A	p.N345K	✓	
7	<i>PIK3CA</i>	c.1258T>C	p.C420R	✓	
8	<i>PIK3CA</i>	c.1636C>A	p.Q546K		✓
9	<i>PIK3CA</i>	c.1634A>G	p.E545G		✓
10	<i>PIK3CA</i>	c.2176G>A	p.E726K	✓	

<OTS-HRAS>

Product Code: OTS-G-HRAS-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	<i>HRAS</i>	c.37G>C	p.G13R	✓	
2	<i>HRAS</i>	c.182A>G	p.Q61R	✓	✓
3	<i>HRAS</i>	c.35G>T	p.G12V		✓
4	<i>HRAS</i>	c.182A>T	p.Q61L		✓
5	<i>HRAS</i>	c.181C>A	p.Q61K	✓	
6	<i>HRAS</i>	c.34G>A	p.G12S		✓
7	<i>HRAS</i>	c.35G>A	p.G12D		✓
8	<i>HRAS</i>	c.38G>T	p.G13V		✓
9	<i>HRAS</i>	c.34G>T	p.G12C		✓
10	<i>HRAS</i>	c.38G>A	p.G13D		✓

<OTS-NRAS>

Product Code: OTS-G-NRAS-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	<i>NRAS</i>	c.182A>G	p.Q61R	✓	✓
2	<i>NRAS</i>	c.181C>A	p.Q61K	✓	
3	<i>NRAS</i>	c.35G>A	p.G12D		✓
4	<i>NRAS</i>	c.38G>A	p.G13D		✓
5	<i>NRAS</i>	c.182A>T	p.Q61L		✓
6	<i>NRAS</i>	c.34G>A	p.G12S		✓
7	<i>NRAS</i>	c.34G>T	p.G12C		✓
8	<i>NRAS</i>	c.37G>C	p.G13R		✓
9	<i>NRAS</i>	c.183A>T	p.Q61H		✓
10	<i>NRAS</i>	c.35G>T	p.G12V		✓

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

<OTS-TP53>

Product Code: OTS-G-TP53-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	TP53	c.524G>A	p.R175H	✓	
2	TP53	c.817C>T	p.R273C	✓	
3	TP53	c.743G>A	p.R248Q	✓	
4	TP53	c.818G>A	p.R273H	✓	
5	TP53	c.844C>T	p.R282W	✓	
6	TP53	c.742C>T	p.R248W	✓	
7	TP53	c.659A>G	p.Y220C	✓	
8	TP53	c.637C>T	p.R213X	✓	
9	TP53	c.586C>T	p.R196X	✓	
10	TP53	c.536A>G	p.H179R	✓	
11	TP53	c.733G>A	p.G245S	✓	
12	TP53	c.469G>T	p.V157F	✓	
13	TP53	c.578A>G	p.H193R	✓	
14	TP53	c.747G>T	p.R249S	✓	
15	TP53	c.818G>T	p.R273L	✓	

<OTS-FGFR2/3>

Product Code: OTS-G-FGFR-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	FGFR2	c.755C>G	p.S252W		✓
2	FGFR2	c.1650T>A	p.N550K		✓
3	FGFR3	c.746C>G	p.S249C	✓	
4	FGFR3	c.1124A>G	p.Y375C		✓
5	FGFR3	c.742C>T	p.R248C	✓	

<OTS-BRAF>

Product Code: OTS-G-BRAF-A


No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	BRAF	c.1799T>A	p.V600E	✓	
2	BRAF	c.1798_1799delins	p.V600K		✓
3	BRAF	c.1801A>G	p.K601E		✓
4	BRAF	c.1798G>A	p.V600M		✓
5	BRAF	c.1406G>C	p.G469A	✓	

<OTS-TERT promoter>

Product Code: OTS-G-TERT-A

No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
1	TERT promoter	_C228T	NA	✓	
2	TERT promoter	_C250T	NA	✓	

OTS-Probes

	容器単位： 0.5mL自立型Oリングレスループ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 * "OTS-Probes_Manual_JP_221229"参照						
	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" style="width: 100%;"> <tr> <td style="text-align: center;">Bio-Rad QX200</td> <td style="text-align: center;">約6アッセイ分</td> </tr> <tr> <td style="text-align: center;">ThermoFisher QuantStudio 3D</td> <td style="text-align: center;">約8アッセイ分</td> </tr> <tr> <td style="text-align: center;">ThermoFisher QuantStudio Absolute Q</td> <td style="text-align: center;">約12アッセイ分</td> </tr> </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
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						

* 「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。