

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

### <OTS-KRAS>

Product Code: OTS-G-KRAS-A

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

### <OTS-EGFR>

Product Code: OTS-G-EGFR-A

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

### <OTS-ARID1A>

Product Code: OTS-G-ARID1A-A

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

### <OTS-PIK3CA>

Product Code: OTS-G-PIK3CA-A

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

### <OTS-HRAS>

Product Code: OTS-G-HRAS-A

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

### <OTS-NRAS>

Product Code: OTS-G-NRAS-A

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

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

### <OTS-TP53>

Product Code: OTS-G-TP53-A

OTS-No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
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-A

OTS-No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
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-A


OTS-No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
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-A

OTS-No	Gene	CDS Change	AA Change	Validation: DNA Type	
				Human	Synthetic
OTS-0833	TERT p	C228T	NA	✓	
OTS-0834	TERT p	C250T	NA	✓	

## OTS-Probes

	容器単位: 0.5mL自立型リングレスループスクリ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"> <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。