


### OTS-Numbers: OTS-Probes-50

**Product Cord: OTS-Probes-50**

| OTS-No   | Gene          | CDS Change     | AA Change      |
|----------|---------------|----------------|----------------|
| OTS-0061 | <i>BRAF</i>   | c.1799T>A      | p.V600E        |
| OTS-0203 | <i>EGFR</i>   | c.2573T>G      | p.L858R        |
| OTS-0204 | <i>EGFR</i>   | c.2235_2249del | p.E746_A750del |
| OTS-0206 | <i>EGFR</i>   | c.2369C>T      | p.T790M        |
| OTS-0207 | <i>EGFR</i>   | c.2582T>A      | p.L861Q        |
| OTS-0350 | <i>FGFR3</i>  | c.746C>G       | p.S249C        |
| OTS-0434 | <i>KRAS</i>   | c.35G>A        | p.G12D         |
| OTS-0435 | <i>KRAS</i>   | c.35G>T        | p.G12V         |
| OTS-0436 | <i>KRAS</i>   | c.38G>A        | p.G13D         |
| OTS-0437 | <i>KRAS</i>   | c.34G>T        | p.G12C         |
| OTS-0440 | <i>KRAS</i>   | c.34G>C        | p.G12R         |
| OTS-0442 | <i>KRAS</i>   | c.183A>C       | p.Q61H         |
| OTS-0591 | <i>PIK3CA</i> | c.3140A>G      | p.H1047R       |
| OTS-0592 | <i>PIK3CA</i> | c.1633G>A      | p.E545K        |
| OTS-0593 | <i>PIK3CA</i> | c.1624G>A      | p.E542K        |
| OTS-0594 | <i>PIK3CA</i> | c.3140A>T      | p.H1047L       |
| OTS-0595 | <i>PIK3CA</i> | c.1636C>A      | p.Q546K        |
| OTS-0596 | <i>PIK3CA</i> | c.263G>A       | p.R88Q         |
| OTS-0837 | <i>TP53</i>   | c.524G>A       | p.R175H        |
| OTS-0838 | <i>TP53</i>   | c.743G>A       | p.R248Q        |
| OTS-0839 | <i>TP53</i>   | c.818G>A       | p.R273H        |
| OTS-0840 | <i>TP53</i>   | c.817C>T       | p.R273C        |
| OTS-0841 | <i>TP53</i>   | c.742C>T       | p.R248W        |
| OTS-0842 | <i>TP53</i>   | c.844C>T       | p.R282W        |
| OTS-0843 | <i>TP53</i>   | c.637C>T       | p.R213X        |

| OTS-No   | Gene        | CDS Change | AA Change |
|----------|-------------|------------|-----------|
| OTS-0844 | <i>TP53</i> | c.733G>A   | p.G245S   |
| OTS-0845 | <i>TP53</i> | c.747G>T   | p.R249S   |
| OTS-0846 | <i>TP53</i> | c.659A>G   | p.Y220C   |
| OTS-0847 | <i>TP53</i> | c.586C>T   | p.R196X   |
| OTS-0848 | <i>TP53</i> | c.469G>T   | p.V157F   |
| OTS-0849 | <i>TP53</i> | c.536A>G   | p.H179R   |
| OTS-0850 | <i>TP53</i> | c.488A>G   | p.Y163C   |
| OTS-0851 | <i>TP53</i> | c.527G>T   | p.C176F   |
| OTS-0852 | <i>TP53</i> | c.818G>T   | p.R273L   |
| OTS-0853 | <i>TP53</i> | c.853G>A   | p.E285K   |
| OTS-0854 | <i>TP53</i> | c.734G>A   | p.G245D   |
| OTS-0856 | <i>TP53</i> | c.578A>G   | p.H193R   |
| OTS-0862 | <i>TP53</i> | c.814G>A   | p.V272M   |
| OTS-0870 | <i>TP53</i> | c.527G>A   | p.C176Y   |
| OTS-0873 | <i>TP53</i> | c.725G>T   | p.C242F   |
| OTS-0875 | <i>TP53</i> | c.614A>G   | p.Y205C   |
| OTS-0877 | <i>TP53</i> | c.734G>T   | p.G245V   |
| OTS-0881 | <i>TP53</i> | c.839G>C   | p.R280T   |
| OTS-0887 | <i>TP53</i> | c.796G>A   | p.G266R   |
| OTS-0889 | <i>TP53</i> | c.380C>T   | p.S127F   |
| OTS-0898 | <i>TP53</i> | c.578A>T   | p.H193L   |
| OTS-0910 | <i>TP53</i> | c.406C>T   | p.Q136X   |
| OTS-0915 | <i>TP53</i> | c.438G>A   | p.W146X   |
| OTS-0919 | <i>TP53</i> | c.730G>A   | p.G244S   |
| OTS-0932 | <i>TP53</i> | c.583A>T   | p.I195F   |

#### OTS-Probes

|   |  |                 |
|---|--|-----------------|
|  | <b>Packing Unit:</b> 0.5mL free-standing O-ringless tube with screw cap  |                 |
|   | <b>Directions of Use:</b> Dissolve mixed primers and probes in tube with<br>15 µL DNase/RNase-free distilled water<br>"OTS-Probes Manual" may be downloaded from "Product & Service" |                 |
|   | <b>Fluorescent Dyes:</b> HEX (wild type), VIC (mutant type)  |                 |
|   | <b>Expiry Date:</b> Within one year after dissolving<br><b>How to Stock:</b> At -20°C when unopened and dry<br>At -20°C after dissolution  |                 |
| <b>Assays/Tube:</b>   | Bio-Rad QX200  | Appx. 6 assays  |
|   | ThermoFisher QuantStudio 3D  | Appx. 8 assays  |
|   | ThermoFisher QuantStudio Absolute Q  | Appx. 12 assays |

\*\*OTS-Probes" is the product developed and manufactured by Quantdetect, Inc., based on the patented technology developed by Iwate Medical University Institute for Biomedical Sciences and transferred to Quantdetect Inc..