

## **OncoSpot™ KRAS G12D FFPE Reference Standard**

**Catalog number:** RM211

**Product:** KRAS G12D FFPE reference standard

**Description:** This product can be used as quality control material for optimizing the protocols and evaluating the sensitivity/specificity of assays such as next-generation sequencing (NGS), qPCR and amplification-refractory mutation system (ARMS) PCR. This standard can also be diluted using WT control to generate lower allelic frequencies.

### **Variant data**

**AA mutation:** G->A

**Nucleotide change:** GGT ->GAT

**Genotype:** KRAS (G12D/G12D)

**Cosmic ID:** COSM521

**Background cell line:** HCT116

**Allelic Frequency:** 100%

### **Product information**

**Format:** FFPE

**Fixation method:** 10% neutral buffered formalin solution

**Cell density:** > 500,000 cells/scroll

**Volume/Dimension:** 20 µm section

**Quantity:** 1 scroll

**DNA yield:** > 400 ng/scroll

**Storage:** +4 °C

**Shelf life:** 4 years from the date of manufacture

**Quality control:** Each lot is tested by sanger sequencing, and H & E staining of 5 µm slide. The DNA extracted from the curl is checked by agarose gel electrophoresis, and Qubit fluorometer. Please refer to the COA for details.



**Citation of product:** If use of this item results in a publication, please use this information:  
OncoSpot™KRAS G12D FFPE Reference Standard, (RM211, GeneCopoeia, Inc., Rockville, MD).

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