

## OncoSpot™ PIK3CA E545K DNA Reference Standard

**Catalognumber:** RM024

**Product:** PIK3CA E545K genomic DNA 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.

### Variant data

**AA mutation:** E->K

**Nucleotide change:** GAG ->AAG

**Genotype:** PI3CA (E545K/E545K)

**Cosmic ID:** COSM763

**Background cell line:** HCT116

**Allelic Frequency:** 50%

### Product information

**Quantity:** 1 µg

**Concentration:** 50 ng/µL

**Storage:** -20 °C

**Shelf life:** 3 years from the date of manufacture

**Buffer:** Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.1

**Qualitycontrol:** Each lot is tested by sanger sequencing, 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™ PI3CA E545E Genomic DNA Reference Standard, (RM024,  
GeneCopoeia, Inc., Rockville, MD).

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