Product Information	
PerfeCTa DNAse I	
Part Number	95150-01K
Number of Reactions	1000 Reactions
Concentration	2 units/µL
Storage Temperature	-25°C to -15°C
Lot Number	022995
Reference Number	014988 061716 011117
Expiration Date	06/30/19

Product Description:

PerfeCTa DNase I is an ultra-pure, recombinant bovine DNase I preparation that is permanently inactivated with a proprietary stop buffer and simple heat kill incubation. This reagent provides a simple and rapid solution to eliminate residual genomic DNA from total RNA preparations for expression profiling by reverse transcription quantitative PCR amplification (RT-qPCR) as well as other molecular biology applications. Complete and permanent DNase I inactivation is critical for linear first-strand cDNA synthesis. Residual or renatured DNase will degrade cDNA product and lead to inaccurate target quantification. One unit completely degrades 1µg of dsDNA in 10 minutes at 37°C.

Component Part Numbers:#

84271 PerfeCTa DNase I 0.500 mL

Product Specifications			
95150			
Assay	**qRT-PCR Functional Assay for DNAse I**	**DNaseI Mu-gDNA Functional Assay**	**RNase**
Result	Pass	Pass	Pass

Quality Control Analysis and Specifications:

RNase Contamination: RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

qRT-PCR Functional Assay for DNAse I: The Ct difference between positive (+) DNase and Negative (-) DNase I samples must be ≤ 1.5 Ct

DNaseI Mu-gDNA Functional Assay: The Ct difference between positive (+) DNase and Negative (-) DNase I samples must be ≥ 15 Ct