

# Aldevron Certificate of Analysis Lot MPM056-02

Date of Manufacture: 06-MAY-2019



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<b>Protein Name:</b>	<b>Item Code:</b>
sNLS-SaCas9-sNLS Nuclease	9218-0.25MG
<b>Storage Temperature:</b>	<b>Final Buffer:</b>
-10 to -30 °C	25 mM Tris-HCl, 300 mM NaCl, 0.1 mM EDTA, 50% (v/v) Glycerol, pH 7.4
<b>Container Fill:</b>	<b>Usage:</b>
0.25 mg (0.03 mL)	Research use only

Assay	Method	Specifications	Results
<b>Purity, RP-HPLC</b>	RP-HPLC method	≥ 95%	<b>Pass</b>
<b>Purity, SDS-PAGE</b>	Densitometry SYPRO® Orange	≥ 95%	<b>Pass</b>
<b>Aggregation</b>	Analytical SEC	≤ 5% aggregate	<b>Pass</b>
<b>Concentration</b>	UV VIS 280 nm	10.0 mg/mL +/- 10%	<b>Pass</b>
<b>Endotoxin</b>	Kinetic chromogenic LAL	≤ 10 EU/mg	<b>Pass</b>
<b>Residual DNase</b>	Ambion DNaseAlert	< LOQ	<b>Pass</b>
<b>Residual RNase</b>	Ambion RNaseAlert	< LOQ	<b>Pass</b>
<b>Appearance</b>	Visual inspection	Clear, colorless	<b>Pass</b>
<b>Residual Host Protein</b>	Cygnus <i>E. coli</i> HCP ELISA Kit	≤ 200 ng/mL	<b>Pass</b>
<b>Residual Host GenomicDNA</b>	Quantitative PCR with Proteinase K digestion	< 1% (w/w)	<b>Pass</b>
<b>Activity Assay, <i>in vitro</i></b>	Cas9-mediated cleavage of reference DNA	≥80% of uncut reference DNA converted to cleavage products	<b>Pass</b>
<b>Bioburden</b>	Extraction and filtration	< 2 CFU/Sample	<b>Pass</b>
<b>Mycoplasma</b>	Quantitative PCR	Negative for the presence of Mycoplasma	<b>Pass</b>

Quality Control:

Date:

28-MAY -2019