

Product Testing Report



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Cas9 Nuclease NLS Protein Functional Test

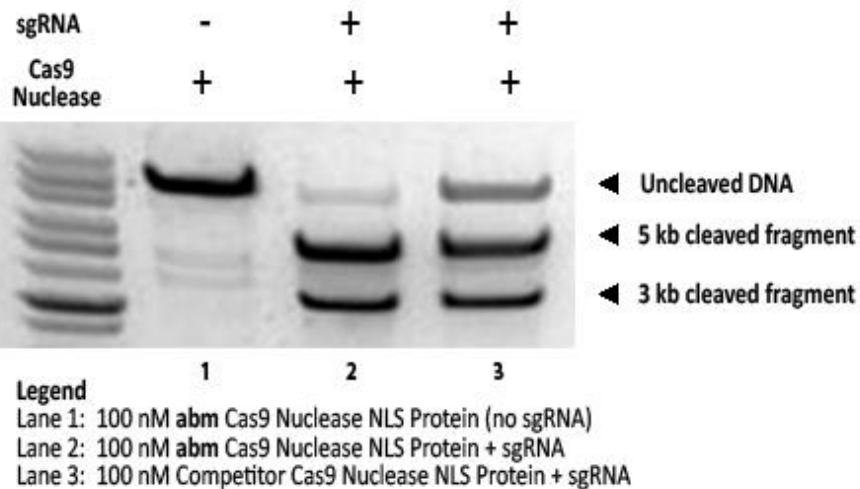
Method

To test the ability of the Cas9 Nuclease NLS protein (Cat. No. K030/K130) to cleave DNA *in vitro*, the Cas9 Nuclease NLS Protein (100 nM) was first pre-incubated with sgRNA (200 nM) at 37°C for 30 minutes. Then, the DNA substrate (250 ng) was added and this mixture was allowed to incubate for another 30 minutes. The cleavage efficiency of **abm**'s Cas9 nuclease NLS Protein was compared against a similar product from a competitor.

Results

Cas9 Nuclease NLS Protein cleaved the DNA substrate into two fragments. Furthermore, **abm**'s Nuclease NLS Protein had a higher cleavage efficiency compared to the competitor.

Gel image showing the ability of **abm**'s Cas9 Nuclease NLS Protein (Cat. No. K030/K130) to cleave DNA.



Conclusion

abm's Cas9 Nuclease NLS Protein (Cat. No. K030/K130) has higher cleavage efficiency, in comparison to the competitor tested, and leaves behind less un-cleaved substrate.