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Cas9 Null Mutant GFP NLS Protein

Cat. No.	Description	Concentration	Quantity
K086	Cas9 Null Mutant GFP NLS Protein	1000 nM	50 pmol (50 µl)
K186	Cas9 Null Mutant GFP NLS Protein	10 µM	250 pmol (25 µl)

Product Description

The active sites in the Cas9 Null Mutant are inactive, making it a useful control for CRISPR applications. The fusion of Cas9 Null Mutant NLS to GFP allows for visual confirmation of transfection as well as subsequent verification of Cas9 clearance from the cells. Cas9 Null Mutant GFP can also be used for FACS applications and screening. Cas9 Null Mutant GFP NLS contains a SV40 T antigen nuclear localization sequence (NLS) on the C-terminus of the protein.

Components

	K086	K186
10X Cas9 Reaction Buffer (Cat. No. K000)	1.25 mL	1.25 mL
Cas9 Null Mutant GFP NLS Protein (1000 nM)	50 µl	-
Cas9 Null Mutant GFP NLS Protein (10 µM)	-	25 µl

Product Source

Recombinant *E. coli*.

Storage Conditions

Store all components at -20°C. Avoid repeated freeze-thaw cycles of all components to retain maximum performance. All components are stable for 1 year from the date of shipping when stored and handled properly.

Enzyme Storage Buffer

10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM DTT, 300 mM NaCl, and 50% (v/v) Glycerol.

10X Cas9 Reaction Buffer Components

200 mM HEPES, 50 mM MgCl₂, 1 M NaCl, 1 mM EDTA, pH 6.5.

Reaction Conditions

Use 1X Cas9 Reaction Buffer and incubate at 37°C.

*For laboratory research only. Not for clinical applications.
For technical questions, please email us at technical@abmgood.com
Or visit our website at www.abmGood.com*