[ABSTRACT]

TARGET-SPECIFIC CRISPR MUTANT

The present invention relates to an artificially engineered CRISPR/Cas9 system. More particularly, the present invention relates to an artificially engineered CRISPR enzyme having enhanced target specificity and a use of an artificially engineered CRISPR/Cas9 system including the same enzyme in genome and/or epigenome manipulation or modification, genome targeting, genome editing, and *in vitro* diagnosis, etc.

[Fig No. 22]