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Supplemental Information

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Is Processed by Dual Binding Cas6

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Supplementary Materials

A Non Stem-loop CRISPR RNA Is Processed by Dual Binding Cas6

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RUNNING TITLE: Structure of CRISPR RNA processing endoribonuclease

KEYWORDS: Protein-RNA interactions, endoribonucleases, CRISPR RNA, crystal structures

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Figure S1, relate to Figure 3. Size exclusion chromatography profile of RNA-free MmCas6b. Ni-NTA purified MmCas6b was loaded on to a Superdex 200 column previously equilibrated with 500 mM NaCl, 20 mM Tris-Cl pH 7.5, 5% glycerol. The major elution peak is consistent with a MmCas6b monomer (26 kDa) and the minor elution peak is consistent with a MmCas6b dimer (52 kDa).

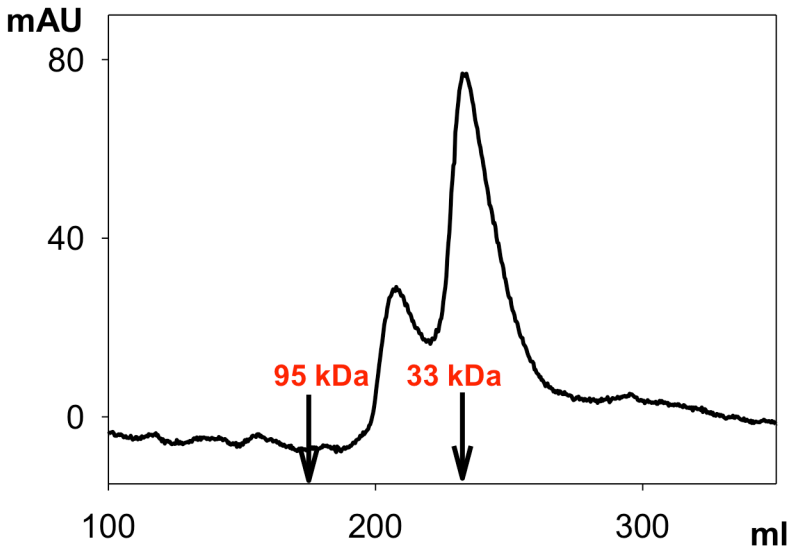

Figure S2, relate to Figure 2. Comparison of the structure of the d31mer, motif II-bound MmCas6b subunit (gray) with that of the 14mer-bound MmCas6b (cyan). The 14mer RNA is shown in red and the d31mer (only the 14mer portion is shown) is in raspberry.