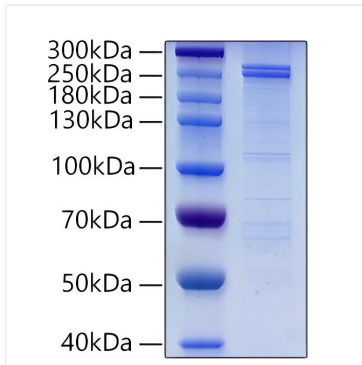
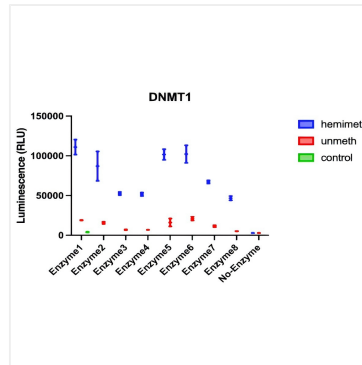


Validation Data



Recombinant Human DNMT1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The 42 base pair of DNA duplex containing three hemimethylation sites (2.5 μ M) was methylated with the recombinant DNMT1 (0.18 mg/mL) including 20 μ M SAM in reaction buffer (20 mM Tris-HCl [pH 8.0], 50 mM NaCl, 1 mM EDTA, 3 mM MgCl₂, 0.1 mg/mL BSA, and 1 mM DTT) at 37 °C for 1 hr. Then methyltransferase assay was performed using MTase-Glo™ Methyltransferase Assay (Promega, V7601). Enzyme 1-4 represent RP01868LQ, Enzyme 5-8 represent recombinant DNMT1 with a 6 \times His tag at the N-terminus. (Customer feedback data)