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Data Sheet

PRMT6, His-Tag

Human, recombinant, N-terminal His-tag

Catalog #: 51049

Lot#: 180320-2

Conc.: 0.32 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, 20% glycerol, and 3 mM DTT.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles.

References:

1. Hyllus D. *et al.*, *J. Genes Dev.* **21** (24), 3369-3380 (2007).
2. Guccione E. *et al.*, *Nature* **449** (7164), 933-937 (2007).

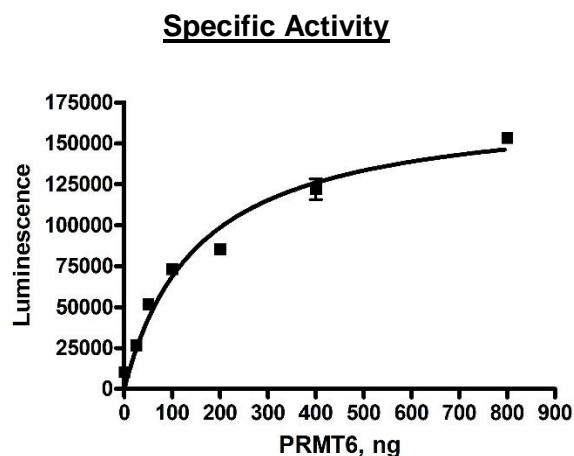
Description: Human PRMT6 also known as HRMT1L6 and protein arginine N-methyltransferase 6, GenBank Accession No. NM_018137, a.a. 2-375(end), with N-terminal His-tag, expressed in an *E. coli* expression system. MW=43 kDa.

Specific Activity: 0.036 pmol/min/ μg

Assay Conditions: For standard, asymmetric H4 R3(2Me)-Biotin was coated onto a neutravidin plate at varying concentrations. Biotin was coated onto a neutravidin plate at 0.4 $\mu\text{g/ml}$. Reaction mixture contained 50 mM Tris buffer pH 8, 10 mM NaCl, 1 mM DTT, 0.05% Tween-20, 40 μM S-adenosylmethionine, and various amounts of PRMT6—incubated for 1 hour at room temperature. Followed by 1-hour incubation with primary antibody against asymmetric H4 R3(2Me), and 30-minute incubation with secondary antibody. Luminescence was developed with HRP substrate A and B.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

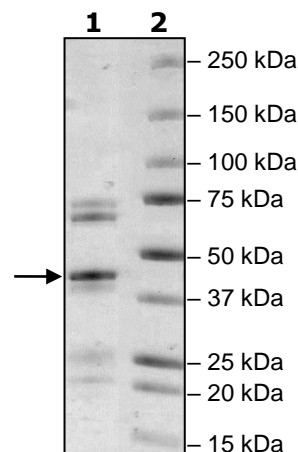
Quality Assurance



**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
2 μg PRMT6
Lane 2:
Protein Marker

MW: 43 kDa
Purity: $\geq 41\%$



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