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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Data Sheet

PRMT5/MEP50, FLAG-tag

Human, recombinant, N-terminal FLAG tag
Catalog #: 51048
Lot #: 121030 **Conc.:** 0.3 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0,
 110 mM NaCl, 2.2 mM KCl, 80 ng/μl FLAG
 peptide, and 20% glycerol.

Stability: At least 6 months at -80°C. *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

References:

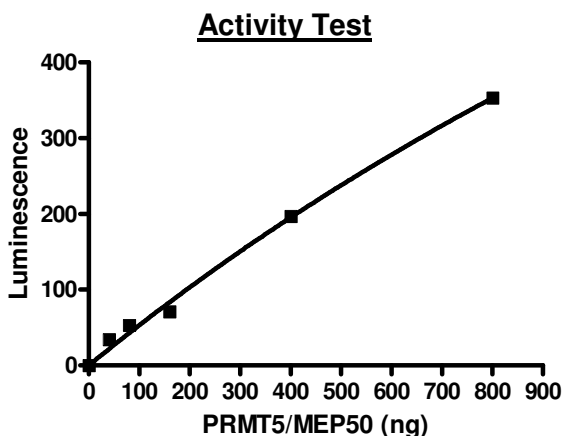
1. Zhao Q. *et al.*, *J. Nat. Struct. Mol. Biol.* **16 (3)**, 304-311 (2009).
2. Wang L *et al.*, *Mol. Cell. Biol.* **28 (20)**, 6262-6277 (2008).

Description: Human PRMT5 (GenBank Accession No. NM_006109), amino-acids 2-end, with N-terminal FLAG tag, MW=73 kDa, and human MEP50 (GenBank Accession No. NM_024102), amino-acids 2-end, with N-terminal His tag, MW=37 kDa, co-expressed in a Baculovirus-infected Sf9 cell expression system.

Assay conditions: 50 μl reaction mix (20 mM phosphate buffer pH 7.4, 20 μM S-adenosyl methionine, and 10-100 ng methyltransferase PRMT5) add to the wells coated with the substrate. Incubate at room temperature for 1 hr. Add antibody against methylated R3 residue of histone H4, incubate 1 hr. Then, add secondary HRP-labeled antibody and incubate 30 min. Finally, add HRP chemiluminescent substrates and read luminescence.

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

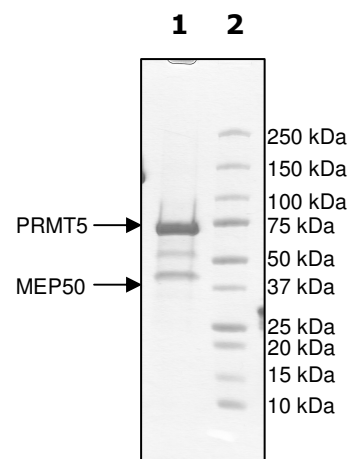
Quality Assurance



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

Lane 1:
 8.25 μg PRMT5/MEP50
Lane 2:
 Protein Marker

MW:
 PRMT5: 73 kDa
 MEP50: 37.5 kDa
Purity: ≥89%



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