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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

PRMT5/MEP50, Biotin-Labeled

Human, Recombinant, N-terminal FLAG-Avi-tag (PRMT5), N-terminal His-tag (MEP50), Biotin Labeled

Catalog #: 52102

Lot #: 170504 **Conc.:** 0.79 mg/ml

Formulated in: 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 µg/mL FLAG peptide, 20% glycerol and 3 mM DTT.

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: PRMT5/MEP50 complex of human PRMT5 (GenBank Accession No. NM_006109), amino-acids 2-637(end), with N-terminal FLAG-Avi tag, MW=73 kDa, and human MEP50 (GenBank Accession No. NM_024102) with N-terminal His-Tag, amino-acids 2-342(end), MW=38 kDa, coexpressed in HEK293 cells and enzymatically biotin-labeled using Avi-tag™ technology.

Quality Assurance

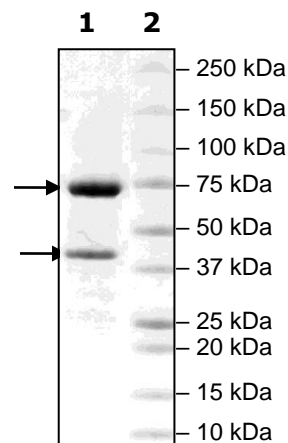
4-20% SDS-PAGE Coomassie staining

Lane 1:
4µg PRMT5/MEP50

Lane 2:
Protein Marker

MW:
PRMT5: 73 kDa
MEP50: 38 kDa

Purity: ≥90%



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PRMT5 Sequence

MDYKDDDDKGLNDI FEAQKIEWHEAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVA
KQGFDFLCMPVFHPRFKREFIQEPAKNRPGPQTRSDLLLSGRDWNLTIVGKLSPWIR
PDSKVEKIRRNSEAAMLQELNFGAYLGLPAFLLPLNQEDNTNLARVLTNHIHTGHHS
SMFWMRVPLVAPEDLRDDI IENAPTHTEEYSGEEKTWMWWHNFRTLCDYSKRIAVA
LEIGADLPSNHVIDRWLGEPKAAAILPTSIFLTNKKGFPVLSKMHQRLIFRLLKLEV
QFIITGTNHSEKEFCSYLQYLEYLSQNRPPPNAYELFAKGYEDYLQSPLOPLMDNL
ESQTYEVFEKDKIKYSQYQQAIYKCLLDRVPEEEKDTNVQVLMVLGAGRGPLVNASL
RAAQADRRIKLYAVEKPNNAVVTLENWQFEWGSQVTVVSSDMREWVAPEKADIIV
SELLGSFADNELSPECLDGAQHFLKDDGVSIPGEYTSFLAPISSSKLYNEVRACREK
DRDPEAQFEMPYVVRHLHNFHQLSAPQPCFTFSHPNRDPMIDNNRYCTLEFPVEVNTV
LHGFAGYFETVLYQDITLSIRPETHSPGMFSWFPILFPKQPITVREGQITICVRFWR
CSNSKKVWYEWAVTAPVCSAIHNPTGRSYTIGL

Blue: Flag tag

Red: Avi tag

Black: PRMT5 (aa 2-637(end))

MEP50 Sequence

MHHHHHHRKETPPPLVPPAAREWNLPPNAPACMERQLEAARYRSDGALLLGASSLSG
RCWAGSLWLFKDPKAPNEGFCAGVQTEAGVADLTWVGERGILVASDSGAVELWEL
DENETLIVSKFCKYEHDDIVSTVSVLSSGTQAVSGSKDICKVWDLAQQVVLSSYRA
HAAQVTCVAASPHKDSVFLSCSEDNRILLWDTRCPKSPASQIGCSAPGYLPTSLAWHP
QQSEVVFVFGDENGTVSLVDTKSTSCVLSSAVHSQCVTGLVFSVPHSVPFLASLSEDCS
LAVLDSLSLSELRFRSQAHRDFVRDATWSPLNHSLLTTVGWDHQVHHVVPTEPLPAPG
PASVTE

Green: His tag

Black: MEP50 (aa 2-342(end))

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