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32-6824: KMT5A Human

Alternative Name : KMT5A, PR-Set7, SET07, SET8, SETD8, H4-K20-HMTase KMT5A.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Lysine Methyltransferase 5A (KMT5A) is an enzyme which catalyzes both histones and non-histone proteins. KMT5A contributes to the maintenance of proper higher-order structure of DNA during mitosis. KMT5A takes part in cell-cycle-dependent transcriptional silencing and mitotic regulation in metazoans. KMT5A plays a role as a barrier to prevent cellular senescence through chromatinmediated regulation of senescence-associated metabolic remodeling. KMT5A mediates monomethylation of p53/TP53 at 'Lys-382', which leads to repress p53/TP53-target genes. The loss of KMT5A simultaneously stimulate nucleolar function and retinoblastoma protein-mediated mitochondrial metabolism.
KMT5A produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 165 amino acids (195-352 a.a.) and having a molecular mass of 18.9kDa (Migrates at 18-28 kDa on SDS-PAGE under reducing conditions).KMT5A is expressed with a 7 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	KMT5A protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 5mM DTT, 0.2M NaCl, 1mM EDTA and 50% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MKAELQSEER KRIDELIESG KEEGMKIDLI DGKGRGVIAT KQFSRGDFVV EYHGDLIEIT DAKKREALYA QDPSTGCYMY YFQYLSKTYC VDATRETNRL GRLINHSKCG NCQTKLHDID GVPHLILIAS RDIAAGEELL YDYGDRSKAS IEAHPWLKHH HHHHH.

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