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Datasheet for ABIN5855179

SETD8 Protein (AA 195-352) (His tag)

Overview

Quantity:	50 µg
Target:	SETD8
Protein Characteristics:	AA 195-352
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETD8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MKAELQSEER KRIDELIESG KEEGMKIDLI DGKGRGVIAT KQFSRGDFVV EYHGDLEIT DAKKREALYA QDPSTGCYMY YFQYLSKTYC VDATRETNRL GRLINHSKCG NCQTKLHDID GVPHLILIAS RDIAAGEELL YDYGDRSKAS IEAHPWLKHH HHHHH
Purity:	> 85 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	SETD8
Alternative Name:	KMT5A (SETD8 Products)
Background:	KMT5A, also known as N-lysine methyltransferase KMT5A isoform 1, is an enzyme which catalyzes mono-methylation of histone H4 at lysine 20 (H4K20me1). It is implicated in cell-

Target Details

cycle-dependent transcriptional silencing and mitotic regulation in metazoans. It acts as a barrier to prevent cellular senescence through chromatin-mediated regulation of senescence-associated metabolic remodeling. It mediates monomethylation of p53/TP53 at 'Lys-382', leading to repress p53/TP53-target genes. The loss of KMT5A concurrently stimulate nucleolar function and retinoblastoma protein-mediated mitochondrial metabolism. Recombinant human KMT5A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 18.9kDa (165aa) 18-28kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_065115](#)

UniProt: [Q9NQR1](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 0.2M NaCl, 1 mM EDTA, 50 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.