Recombinant Human DPY30 protein, His-tagged

Cat. No. DPY30-315H **Lot. No.** (See product label)

SPECIFICATION

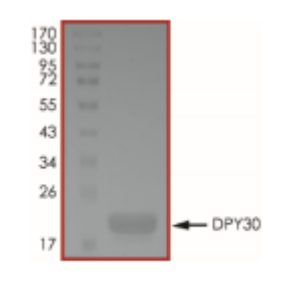
Product Overview	Recombinant full-length human DPY30 was expressed in E.coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	As a core subunit of the SET1/MLL histone methyl-transferase complexes, DPY30 modulates H3K4 methylation in vitro, and directly regulates chromosomal H3K4 trimethylation (H3K4me3) throughout the mam-malian genome. The methylation event has been shown to affect embryonic stem cells (ESCs) maintenance and differentiation. Depletion of Dpy-30 does not affect ESC self-renewal, but significantly alters the differentiation potential of ESCs, particularly along the neural lineage.
Form	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol
Molecular Mass	20 kDa
Purity	The purity of DPY30 was determined to be >95% by densitometry.
Applications	Enzyme Assay; WB
Stability	1 year at -70 centigrade

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Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μL

GENE INFORMATION

Gene Name	histone methyltransferase complex regulatory subunit [Homo sapiens (human)]
Official Symbol	DPY30
Synonyms	Cps25; Saf19; HDPY-30
Gene ID	84661
mRNA Refseq	NM_032574
Protein Refseq	NP_115963
MIM	612032
UniProt ID	Q9C005



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