AR51617PU-S   Human DPY30 (1-99, His-tag) - Purified

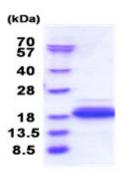|	
Alternate names:	HDPY-30, Saf19, protein dpy-30 homolog
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	As part of the MLL1/MLL complex, DPY30 is involved in the methylation of histone H3 at 'Lys-4', particularly trimethylation. Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. This protein may play some role in histone H3 acetylation. In a teratocarcinoma cell, it plays a crucial role in retinoic acid-induced differentiation along the neural lineage, regulating gene induction and H3 'Lys-4' methylation at key developmental loci. DPY30 may also play an indirect or direct role in endosomal transport.
Uniprot ID:	Q9C005
NCBI:	NP_115963
GeneID:	84661
Species:	Human
Source:	E. coli
Format:	**State:** Liquid purified protein **Purity:** ›95% by SDS - PAGE **Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 2mM DTT
Description:	Recombinant human DPY30 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. **AA Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMEPEQML EGQTQVAENP HSEYGLTDNV ERIVENEKIN AEKSSKQKVD LQSLPTRAYL DQTVVPILLQ GLAVLAKERP PNPIEFLASY LLKNKAQFED RN **Molecular weight:** 13.6 kDa (122aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Xu Z., et al (2009). J. Cell Biol. 186:343-353 Patel A., et al (2009). J. Biol. Chem. 284:24242-24256

Pictures:

15% SDS-PAGE (3ug)