

AR51617PU-N**Human DPY30 (1-99, His-tag) - Purified****Alternate names:**

HDPY-30, Saf19, protein dpy-30 homolog

Quantity:

0.5 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.

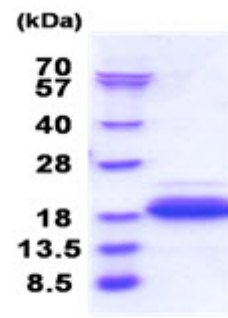
AA Sequence:MGSSHHHHHH SSGLVPRGSH MGSMEPEQML EGQTQVAENP HSEYGLTDNV ERIVENEKIN
AEKSSKQKVD LQSLPTRAYL DQTVVPILLQ GLAVLAKERP PNPIEFASY LLKNKAQFED RN**Molecular weight:** 13.6 kDa (122aa) confirmed by MALDI-TOF**Storage:**

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)