

DPY30, 1-99aa, Human, His tag, E.coli

Cat.NO.: TP01920

3th Edition

Synonyms:protein dpy-30 homolog, HDPY-30, Saf19

Description: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. Recombinant human DPY30 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 2mM DTT

Molecular Weight:13.6 kDa (122aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMPEQMLEGQTQVAENPHSEYGLTDNVERIVENEKINAEKSSKQKVDLQSL
PTRAYLDQTVVPILLQGLAVLAKERPPNPIEFLASYLLKNKAQFEDRN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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