

Recombinant Mouse Dpy30 Protein, Myc/DDK-tagged

Cat. No. Dpy30-2648M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dpy-30, histone methyltransferase complex regulatory subunit (Dpy30), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	As part of the MLL1/MLL complex, 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. May play some role in histone H3 acetylation. In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and histone H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid. Does not affect ES cell self-renewal. May also play an indirect or direct role in endosomal transport.
Molecular Mass	11.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Dpy30 dpy-30, histone methyltransferase complex regulatory subunit [*Mus musculus* (house mouse)]

Official Symbol Dpy30

Synonyms DPY30; dpy-30 homolog (*C. elegans*); protein dpy-30 homolog; dpy-30L; dpy-30-like protein; dosage compensation-related protein DPY30; C87842; 2810410M20Rik

Gene ID 66310

mRNA Refseq NM_001146224

Protein Refseq NP_001139696

UniProt ID Q99LT0

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