

Product datasheet for MR218030

Dpy30 (NM_001146223) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dpy30 (NM_001146223) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dpy30
Synonyms: 2810410M20Rik; C87842
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218030 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGAGTCGGAGCAGATGCTGGAGGGACAGACACAGGTTGCAGAAAACCCCTCACTCTGAGTACGGACTCA
 CAGACAGCGTTGAGAGAATAGTCGAAAATGAGAAGATTAATGCAGAAAAGTCATCGAAACAGAAGGTGGA
 TCTACAGTCCTTGCCACCCGTCCTACCTGGACCAGACAGTTGTGCCTATCTTATTACAGGGACTTGCT
 GTGCTTGCCAAGGAAAGACCACCAAATCCCATCGAGTTCCTAGCATCTTATCTTTAAAAACAAGGCGC
 AGTTTGAAGATCGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218030 protein sequence
 Red=Cloning site Green=Tags(s)
 MESEQMLEGQTQVAENPHSEYGLTDSVERIVENEKINAESSKQKVDLQSLPTRYLDQTVPILLQGLA
 VLAKERPPNPIEFILASYLKLNKAQFEDRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

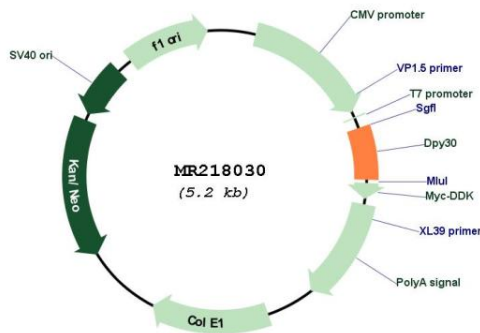


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Locus ID: 66310
UniProt ID: [Q99LTO](#)
Cytogenetics: 17 E2
MW: 11.2 kDa

Gene Summary: 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218030