

## Product datasheet for **SC108017**

### DPY30 (NM\_032574) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DPY30 (NM_032574) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPY30
Synonyms:	Cps25; HDPY-30; Saf19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108017 sequence for NM_032574 edited (data generated by NextGen Sequencing)

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ATGGAGCCAGAGCAGATGCTGGAGGGACAAACGCAGGTTGCAGAAAATCCTCACTCTGAG
TACGGTCTCACAGACAACGTTGAGAGAATAGTAGAAAATGAGAAGATTAATGCAGAAAAG
TCATCAAAGCAGAAGGTAGATCTCCAGTCTTTGCCAACTCGTGCCTACCTGGATCAGACA
GTTGTGCCTATCTTATTACAGGGACTTGCTGTGCTTGCAAAGGAAAGACCACCAAATCCC
ATTGAATTTCTAGCATCTTATCTTTTAAAAACAAGGCACAGTTTGAAGATCGAAACTGA
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Clone variation with respect to NM\_032574.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032574 unedited CACGAGGCACTTACGGCCGGAGCTGTTTGTGCTGGGAGCTGGTGGCGCGGTGCAGGGCTC TTAAGAACGAACGGCTTGGGCGGGACTGGTATCCGGGGACTGTGACTTGCAGGGTCCGC CATGGAGCCAGAGCAGATGCTGGAGGGACAAACGCAGGTTGCAGAAAATCCTCACTCTGA GTACGGTCTCACAGACAACGTTGAGAGAATAGTAGAAAATGAGAAGATTAATGCAGAAA GTCATCAAAGCAGAAGGTAGATCTCCAGTCTTTGCCAACTCGTGCCTACCTGGATCAGAC AGTTGTGCCTATCTTATTACAGGGACTTGCTGTGCTTGCAAAGGAAAGACCACCAAATCC CATTGAATTTCTAGCATCTTATCTTTTAAAAACAAGGCACAGTTTGAAGATCGAAACTG ACTTAATGGGAAGAACAGAAAAATTTAGTTGCTACTGTAGATTTACATGATTAAGAGGCA GCTTTAATTGCCATGATATTCCCTCTTTTGGATGTATAAGAACCTTCCGGACAACAGA ACCTATTTCTGGAATTGCAGAAGATAACATATTTCCCTTATTTTGATTTAATCACCATAA ACCATACCTATTTAATGAGTGTATTCTGTGCAATTTTTTCTCAGATTGTCTTTAACTTT GTTTTTAAATGACCTTCAAATAAACTGTCAAAACACC
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_032574 unedited CTATGAACCCGCGCCGCAATCTAGGATCGAGTTNNNNNTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTAAAAGGGGGTTTTGACAGTTTATTTTGAAGGTCATTTTAAAA ACAAAGTTAAAAACAATTTGAAAAAAAATTGCCAAAATACCCTCATTAATAGGTTTG GTTTATGGGGATTAATCAAAAATAGGGAAATTTGTTTTTTTTGCAATCCAAAATAG GTTTTGTTGTCGGAAGGTTTTTATACCTCCAAAAGAGGAATGATCTGGCAATTA GCTGCCTTTTAATCATGTAATCTACAGGACCACTAAATTTTTCTGTTCTTCCATTAA GTCAGTTTCAATCTCAAACTGGCCTTGTTTTTAAAAATAAAATGCTAAAAATTCAA TGGGATTTGGGGGTCTTTCCTTTGCAAGCCAGCAAGTCCTGTAATAAAATAGGCACAA CTGTCTGATCCAGGTAGGCACGAGTTGGCAAAAAGTAAATCTACCTTCTGCTTTGATG ACTTTTCTGCATTAATCTTCTCATTCTACTATTCTCTCAACGTTGCTGTGAAACCGT CCTCAAAGTGAGGATTTCTGCAACCTGCGTTTGGCCCTCCAGCATTTGCTTTGGCTCCA TGGCGGACCTGCAAGTCACAGTCCCGGATACCAGTCCGCGCCAAGCCGTTCTTTTT AAGAGCCCTGCACCGGCCACCCTCCAGAACAACAGTCCGCGCGTAAGTGCCTCGT GCCGAATCGCGGCCGCCCTTAAGGAATCGATTACAAATCTGACGGTCACTAACGAGCTT TGTTTTTAAACCTCCACGTACACCCTACCGCATTTGCGTAACGGGGCGGGTTTTACCA CATTTGGAAATCCCTTGTTTTGGGGCAACAACTCCCTTGCTTATGGGGGAAACTTG NAATCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032574
<b>Insert Size:</b>	780 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_032574.2</a> , <a href="#">NP_115963.1</a>
<b>RefSeq Size:</b>	800 bp
<b>RefSeq ORF:</b>	300 bp
<b>Locus ID:</b>	84661
<b>UniProt ID:</b>	<a href="#">Q9C005</a>
<b>Cytogenetics:</b>	2p22.3
<b>Domains:</b>	Dpy-30

**Gene Summary:**

This gene encodes an integral core subunit of the SET1/MLL family of H3K4 methyltransferases. The encoded protein directly controls cell cycle regulators and plays an important role in the proliferation and differentiation of human hematopoietic progenitor cells. [provided by RefSeq, Mar 2016]