

Product datasheet for RG204981

DPY30 (NM 032574) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DPY30 (NM_032574) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: DPY30

Synonyms: Cps25; HDPY-30; Saf19

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG204981 representing NM_032574

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAGCCAGAGCAGATGCTGGAGGGACAAACGCAGGTTGCAGAAAATCCTCACTCTGAGTACGGTCTCA
CAGACAACGTTGAGAAATAGTAGAAAATGAGAAGATTAATGCAGAAAAGTCATCAAAGCAGAAGGTAGA
TCTCCAGTCTTTGCCAACTCGTGCCTACCTGGATCAGACAGTTGTGCCTATCTTATTACAGGGACTTGCT
GTGCTTGCAAAGGAAAGACCACCAAATCCCATTGAATTTCTAGCATCTTATCTTTTAAAAAAACAAGGCAC

AGTTTGAAGATCGAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204981 representing NM_032574

Red=Cloning site Green=Tags(s)

MEPEQMLEGQTQVAENPHSEYGLTDNVERIVENEKINAEKSSKQKVDLQSLPTRAYLDQTVVPILLQGLA

VLAKERPPNPIEFLASYLLKNKAQFEDRN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



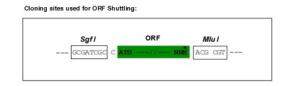
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

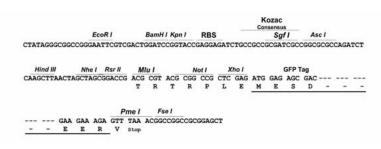
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





ACCN: NM_032574

ORF Size: 297 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: 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).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

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.

RefSeq: <u>NM 032574.3</u>

RefSeq Size: 800 bp
RefSeq ORF: 300 bp



 Locus ID:
 84661

 UniProt ID:
 Q9C005

 Cytogenetics:
 2p22.3

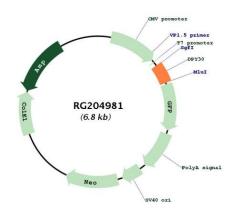
 Domains:
 Dpy-30

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]

Product images:



Circular map for RG204981