

Product datasheet for RC200039L3

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HEMK1 (NM_016173) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HEMK1 (NM_016173) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HEMK1

Synonyms: HEMK; MPRMC; MTQ1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

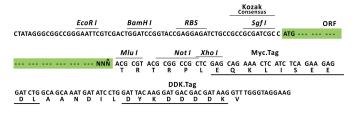
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200039).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_016173

ORF Size: 1014 bp





HEMK1 (NM_016173) Human Tagged Lenti ORF Clone - RC200039L3

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 016173.3</u>

 RefSeq Size:
 5862 bp

 RefSeq ORF:
 1017 bp

 Locus ID:
 51409

 UniProt ID:
 09Y5R4

Cytogenetics:

Protein Families: Druggable Genome

Protein Pathways: Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism,

Tyrosine metabolism

3p21.31

MW: 38.2 kDa

Gene Summary: N5-glutamine methyltransferase responsible for the methylation of the glutamine residue in

the universally conserved GGQ motif of the mitochondrial translation release factor MTRF1L.

[UniProtKB/Swiss-Prot Function]