

Product datasheet for RR205723L4

Uhmk1 (NM_017293) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Uhmk1 (NM_017293) Rat Tagged Lenti ORF Clone

Tag:mGFPSymbol:Uhmk1Synonyms:KIS; Kist

Selection:

Mammalian Cell

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR205723).

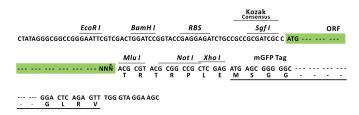
Sequence:

Cloning Scheme:

Restriction Sites:

Cloning sites used for ORF Shuttling:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.



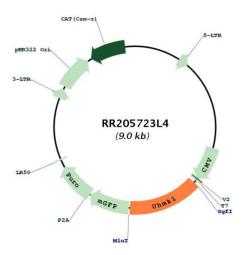
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Plasmid Map:



ACCN: NM_017293 **ORF Size:** 1257 bp

OTI Disclaimer: The molecular sequence of this clo

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 017293.1, NP 058989.1</u>

RefSeq Size: 3244 bp RefSeq ORF: 1260 bp



Uhmk1 (NM_017293) Rat Tagged Lenti ORF Clone - RR205723L4

 Locus ID:
 246332

 UniProt ID:
 Q63285

 Cytogenetics:
 13q24

Gene Summary: Upon serum stimulation, phosphorylates CDKN1B/p27Kip1, thus controlling CDKN1B

subcellular location and cell cycle progression in G1 phase. May be involved in trafficking

and/or processing of RNA (By similarity).[UniProtKB/Swiss-Prot Function]