

Product datasheet for RC221178L1

HKDC1 (NM_025130) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HKDC1 (NM_025130) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HKDC1

Mammalian Cell

Selection:

None

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide

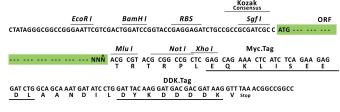
The ORF insert of this clone is exactly the same as(RC221178).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_025130 **ORF Size:** 2751 bp



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OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

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 025130.2</u>, <u>NP 079406.3</u>

 RefSeq Size:
 3719 bp

 RefSeq ORF:
 2754 bp

 Locus ID:
 80201

 UniProt ID:
 Q2TB90

 Cytogenetics:
 10q22.1

Domains: hexokinase

Protein Families: Druggable Genome

MW: 102.5 kDa

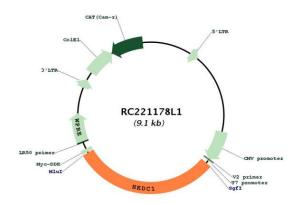
Gene Summary: This gene encodes a member of the hexokinase protein family. The encoded protein is

involved in glucose metabolism, and reduced expression may be associated with gestational diabetes mellitus. High expression of this gene may also be associated with poor prognosis in

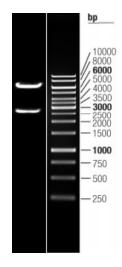
hepatocarcinoma. [provided by RefSeq, Sep 2016]



Product images:



Circular map for RC221178L1



Double digestion of RC221178L1 using Sgfl and Mlul $\,$