

Product datasheet for RC234188

OriGene Technologies, Inc.

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HNF 4 alpha (HNF4A) (NM_001258355) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HNF 4 alpha (HNF4A) (NM_001258355) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: HNF 4 alpha

Synonyms: FRTS4; HNF4; HNF4a7; HNF4a8; HNF4a9; HNF4alpha; MODY; MODY1; NR2A1; NR2A21; TCF;

TCF-14; TCF14

Mammalian Cell

Selection:

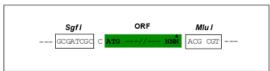
Neomycin

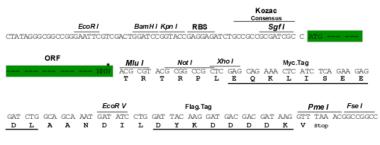
Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme: Cloning sites used for ORF Shuttling:





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

ACCN: NM_001258355

ORF Size: 1401 bp

ORIGENE

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 001258355.2</u>

RefSeq Size:4828 bpRefSeq ORF:1404 bpLocus ID:3172

 UniProt ID:
 P41235

 Cytogenetics:
 20q13.12

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Nuclear Hormone Receptor, Transcription

Factors

Protein Pathways: Maturity onset diabetes of the young

MW: 52.5 kDa

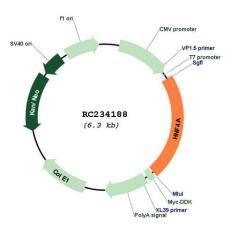
Gene Summary: The protein encoded by this gene is a nuclear transcription factor which binds DNA as a

homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Apr

2012]



Product images:



Circular map for RC234188