

## Product datasheet for **RC204453L3V**

### **HNF1 beta (HNF1B) (NM\_000458) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | HNF1 beta (HNF1B) (NM_000458) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | HNF1 beta  |
| Synonyms:                 | ADTKD3; FJHN; HNF-1-beta; HNF-1B; HNF1beta; HNF2; HPC11; LF-B3; LFB3; MODY5; RCAD; T2D; TCF-2; TCF2; VHNF1   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_000458  |
| ORF Size:                 | 1671 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC204453).   |
| 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. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_000458.1</a>  |
| RefSeq Size:              | 2842 bp  |
| RefSeq ORF:               | 1674 bp  |
| Locus ID:                 | 6928   |
| UniProt ID:               | <a href="#">P35680</a>   |
| Cytogenetics:             | 17q12  |
| Protein Families:         | Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors   |



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**Protein Pathways:** Maturity onset diabetes of the young

**MW:** 61.3 kDa

**Gene Summary:** This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]