

## Product datasheet for RC207752L4V

## OriGene Technologies, Inc.

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## NKX2.8 (NKX2-8) (NM\_014360) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** NKX2.8 (NKX2-8) (NM\_014360) Human Tagged ORF Clone Lentiviral Particle

Symbol: NKX2.8

Synonyms: Nkx2-9; NKX2.8; NKX2H

**Mammalian Cell** 

Selection:

Puromycin

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

Tag: mGFP

**ACCN:** NM\_014360

ORF Size: 717 bp

**ORF Nucleotide** 

OTI Disclaimer:

The ORF insert of this clone is exactly the same as(RC207752).

Sequence:

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.

RefSeq: <u>NM 014360.2</u>

 RefSeq Size:
 1857 bp

 RefSeq ORF:
 720 bp

 Locus ID:
 26257

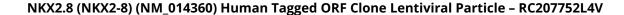
 UniProt ID:
 015522

 Cytogenetics:
 14q13.3

**Protein Families:** Druggable Genome, Transcription Factors

**MW:** 25.9 kDa







## **Gene Summary:**

The protein encoded by this gene is a homeobox-containing developmental regulator associated with liver development. The encoded protein binds to the alpha-fetoprotein (AFP) gene promoter and increases the expression of AFP. This gene is overexpressed in some lung cancers and is linked to poor patient survival, possibly due to its resistance to cisplatin. This gene is aberrantly methylated in pancreatic cancer, deleted in squamous cell lung carcinomas, and acts as a tumor suppressor in esophageal cancer. Mutations in this gene may also be a cause of neural tube defects. [provided by RefSeq, Dec 2015]