

Product datasheet for RC217520L1V

OriGene Technologies, Inc.

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TTF1 (NKX2-1) (NM_003317) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: TTF1 (NKX2-1) (NM_003317) Human Tagged ORF Clone Lentiviral Particle

Symbol: TTF1

Synonyms: BCH; BHC; NK-2; NKX2.1; NKX2A; NMTC1; T/EBP; TEBP; TITF1; TTF-1; TTF1

Mammalian Cell

Selection:

None

Vector: pLenti-C-Myc-DDK (PS100064)

Tag: Myc-DDK
ACCN: NM 003317

ORF Size: 1113 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC217520).

Sequence:

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.

RefSeg: NM 003317.3

 RefSeq Size:
 2352 bp

 RefSeq ORF:
 1116 bp

 Locus ID:
 7080

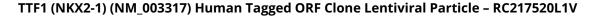
 UniProt ID:
 P43699

Cytogenetics: 14q13.3

Domains: homeobox

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors





MW:

ORÏGENE

38.4 kDa

Gene Summary:

This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to the thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares the symbol/alias 'TTF1' with another gene, transcription termination factor 1, which plays a role in ribosomal gene transcription. [provided by RefSeq, Feb 2014]