

Product datasheet for RC224048L4

NNT (NM_182977) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NNT (NM_182977) Human Tagged Lenti ORF Clone

Tag: mGFF
Symbol: NNT

Synonyms: GCCD4

Mammalian Cell Puromycin

Selection:

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

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC224048).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_182977

ORF Size: 3258 bp



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NNT (NM_182977) Human Tagged Lenti ORF Clone - RC224048L4

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 182977.1</u>

 RefSeq Size:
 4655 bp

 RefSeq ORF:
 3261 bp

 Locus ID:
 23530

 UniProt ID:
 Q13423

Cytogenetics: 5p12

Protein Families:

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

MW: 113.9 kDa

Gene Summary: This gene encodes an integral protein of the inner mitochondrial membrane. The enzyme

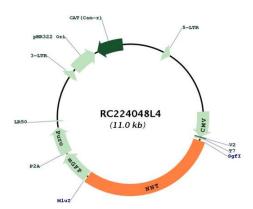
couples hydride transfer between NAD(H) and NADP(+) to proton translocation across the inner mitochondrial membrane. Under most physiological conditions, the enzyme uses energy from the mitochondrial proton gradient to produce high concentrations of NADPH. The resulting NADPH is used for biosynthesis and in free radical detoxification. [provided by

RefSeq, Sep 2016]

Transmembrane



Product images:



Circular map for RC224048L4