

Product datasheet for RC207744L4

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Product data:

Product Type: Expression Plasmids

mGFP Tag:

Symbol: TXNDC3

Synonyms: CILD6; DNAI8; HEL-S-99; NM23-H8; sptrx-2; SPTRX2; TXNDC3

TXNDC3 (NME8) (NM_016616) Human Tagged Lenti ORF Clone

Mammalian Cell Puromycin

Selection:

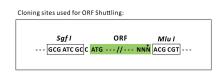
pLenti-C-mGFP-P2A-Puro (PS100093) Vector:

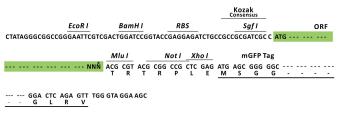
Chloramphenicol (34 ug/mL) E. coli Selection:

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC207744).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

NM_016616 ACCN:

1764 bp **ORF Size:**





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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

RefSeq: <u>NM_016616.2</u>, <u>NP_057700.2</u>

RefSeq Size: 2327 bp

RefSeq ORF: 1767 bp

Locus ID: 51314

UniProt ID: Q8N427

Cytogenetics: 7p14.1

Protein Families: Druggable Genome

MW: 67.3 kDa

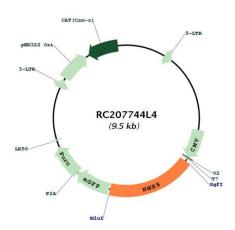
Gene Summary: This gene encodes a protein with an N-terminal thioredoxin domain and three C-terminal

nucleoside diphosphate kinase (NDK) domains, but the NDK domains are thought to be catalytically inactive. The sea urchin ortholog of this gene encodes a component of sperm outer dynein arms, and the protein is implicated in ciliary function. Mutations in this gene are

implicated in primary ciliary dyskinesia type 6. [provided by RefSeq, Nov 2009]



Product images:



Circular map for RC207744L4