

Product datasheet for RC214480L3

OriGene Technologies, Inc.

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TCP1 delta (CCT4) (NM_006430) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TCP1 delta (CCT4) (NM_006430) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: TCP1 delta

Synonyms: CCT-DELTA; Cctd; SRB

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clo

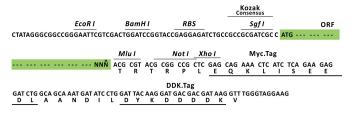
Sequence:

The ORF insert of this clone is exactly the same as(RC214480).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_006430

ORF Size: 1617 bp





TCP1 delta (CCT4) (NM_006430) Human Tagged Lenti ORF Clone - RC214480L3

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 006430.2</u>

 RefSeq Size:
 2349 bp

 RefSeq ORF:
 1620 bp

 Locus ID:
 10575

 UniProt ID:
 P50991

 Cytogenetics:
 2p15

Domains: cpn60 TCP1

Protein Families: Druggable Genome

MW: 57.7 kDa

Gene Summary: The chaperonin containing TCP1 (MIM 186980) complex (CCT), also called the TCP1 ring

complex, consists of 2 back-to-back rings, each containing 8 unique but homologous subunits, such as CCT4. CCT assists the folding of newly translated polypeptide substrates through multiple rounds of ATP-driven release and rebinding of partially folded intermediate forms. Substrates of CCT include the cytoskeletal proteins actin (see MIM 102560) and tubulin

(see MIM 191130), as well as alpha-transducin (MIM 139330) (Won et al., 1998 [PubMed

9819444]).[supplied by OMIM, Mar 2008]