

Product datasheet for RC209688L2

OriGene Technologies, Inc.

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Tau tubulin kinase 2 (TTBK2) (NM_173500) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tau tubulin kinase 2 (TTBK2) (NM_173500) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Tau tubulin kinase 2

Synonyms: SCA11; TTBK

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

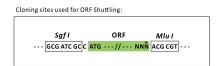
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209688).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_173500

ORF Size: 3732 bp





Tau tubulin kinase 2 (TTBK2) (NM_173500) Human Tagged Lenti ORF Clone - RC209688L2

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 173500.2</u>

 RefSeq Size:
 5613 bp

 RefSeq ORF:
 3735 bp

 Locus ID:
 146057

 UniProt ID:
 Q6IQ55

 Cytogenetics:
 15q15.2

Protein Families: Druggable Genome, Protein Kinase

MW: 137.2 kDa

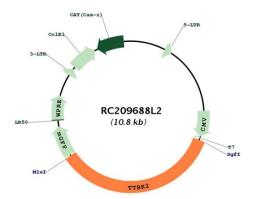
Gene Summary: This gene encodes a serine-threonine kinase that putatively phosphorylates tau and tubulin

proteins. Mutations in this gene cause spinocerebellar ataxia type 11 (SCA11); a neurodegenerative disease characterized by progressive ataxia and atrophy of the

cerebellum and brainstem. [provided by RefSeq, Aug 2009]



Product images:



Circular map for RC209688L2