

Product datasheet for RC207653L3

TLK1 (NM_012290) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TLK1 (NM_012290) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TLK1

Synonyms: PKU-beta

Mammalian Cell Puromycin

Selection:

Vector:

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

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

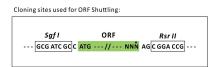
ORF Nucleotide The ORF insert of this clone

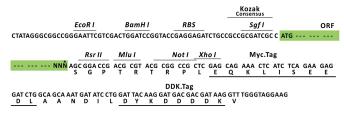
Sequence:

The ORF insert of this clone is exactly the same as(RC207653).

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





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

ACCN: NM_012290

ORF Size: 2298 bp



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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.

Druggable Genome, Protein Kinase

RefSeq: NM 012290.3, NP 036422.3

RefSeq Size: 5751 bp
RefSeq ORF: 2301 bp
Locus ID: 9874
UniProt ID: Q9UKI8

Cytogenetics: 2q31.1

Domains: pkinase, TyrKc, S_TKc

MW: 86.7 kDa

Protein Families:

Gene Summary: The protein encoded by this gene is a serine/threonine kinase that may be involved in the

regulation of chromatin assembly. The encoded protein is only active when it is

phosphorylated, and this phosphorylation is cell cycle-dependent, with the maximal activity of this protein coming during S phase. The catalytic activity of this protein is diminished by DNA damage and by blockage of DNA replication. Three transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Nov 2011]