

Product datasheet for RC218433L3

OriGene Technologies, Inc.

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CDKL5 (NM_001037343) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CDKL5 (NM_001037343) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CDKL5

Synonyms: CFAP247; DEE2; EIEE2; ISSX; STK9

Mammalian Cell Puromycin

Selection:

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

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

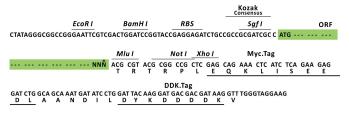
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218433).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001037343

ORF Size: 3090 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.

RefSeq: <u>NM 001037343.1</u>, <u>NP 001032420.1</u>

 RefSeq Size:
 3430 bp

 RefSeq ORF:
 3093 bp

 Locus ID:
 6792

 UniProt ID:
 076039

Cytogenetics: Xp22.13

Protein Families: Druggable Genome, Protein Kinase

MW: 115.4 kDa

Gene Summary: This gene is a member of Ser/Thr protein kinase family and encodes a phosphorylated

protein with protein kinase activity. Mutations in this gene have been associated with X-linked infantile spasm syndrome (ISSX), also known as X-linked West syndrome, and Rett syndrome (RTT). Alternate transcriptional splice variants have been characterized. [provided by RefSeg,

Jul 2008]