

Product datasheet for RC220356L3

OriGene Technologies, Inc.

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C12orf48 (PARPBP) (NM_017915) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C12orf48 (PARPBP) (NM_017915) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: C12orf48

Synonyms: AROM; C12orf48; PARI

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(RC220356).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_017915

ORF Size: 1737 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 017915.1</u>

 RefSeq Size:
 2175 bp

 RefSeq ORF:
 1740 bp

 Locus ID:
 55010

 UniProt ID:
 Q9NWS1

Cytogenetics:

Protein Families: Druggable Genome

12q23.2

MW: 65.05 kDa

Gene Summary: Required to suppress inappropriate homologous recombination, thereby playing a central

role DNA repair and in the maintenance of genomic stability. Antagonizes homologous

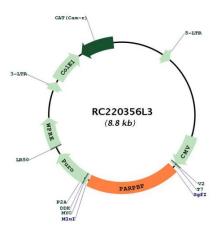
recombination by interfering with the formation of the RAD51-DNA homologous

recombination structure. Binds single-strand DNA and poly(A) homopolymers. Positively regulate the poly(ADP-ribosyl)ation activity of PARP1; however such function may be indirect.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC220356L3