

Product datasheet for RC220783L3

OriGene Technologies, Inc.

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PGEA1 (CBY1) (NM_015373) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PGEA1 (CBY1) (NM_015373) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: PGEA1

Synonyms: arb1; C22orf2; CBY; Chibby1; HS508I15A; PGEA1; PIGEA-14; PIGEA14

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(RC220783).

Sgfl-RsrII

Sequence:

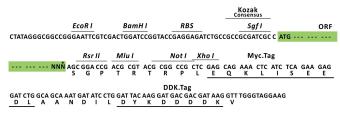
2.

Restriction Sites: Cloning Scheme:

 Cloning sites used for ORF Shuttling:

 Sgf I
 ORF
 Rsr II

 --- GCG ATC GC C
 ATG ---//--- NNN AG C GGA CCG
 --



 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_015373

ORF Size: 378 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 015373.3</u>, <u>NP 056188.1</u>

 RefSeq Size:
 1147 bp

 RefSeq ORF:
 381 bp

 Locus ID:
 25776

 UniProt ID:
 Q9Y3M2

 Cytogenetics:
 22q13.1

Protein Families: Transcription Factors

MW: 14.3 kDa

Gene Summary: Beta-catenin is a transcriptional activator and oncoprotein involved in the development of

several cancers. The protein encoded by this gene interacts directly with the C-terminal region of beta-catenin, inhibiting oncogenic beta-catenin-mediated transcriptional activation by competing with transcription factors for binding to beta-catenin. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]