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# Product datasheet for RC202733L4V

## PAR4 (PAWR) (NM_002583) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | PAR4 (PAWR) (NM_002583) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | PAR4 |
| **Synonyms:** | Par-4; PAR4 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_002583 |
| **ORF Size:** | 1020 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC202733). |
| **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. |
| **RefSeq:** | NM_002583.2 |
| **RefSeq Size:** | 1967 bp |
| **RefSeq ORF:** | 1023 bp |
| **Locus ID:** | 5074 |
| **UniProt ID:** | Q96IZ0 |
| **Cytogenetics:** | 12q21.2 |
| **Protein Families:** | Druggable Genome, Transcription Factors |
| **MW:** | 36.6 kDa |

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**Gene Summary:** This gene encodes a tumor suppressor protein that selectively induces apoptosis in cancer cells through intracellular and extracellular mechanisms. The intracellular mechanism involves the inhibition of pro-survival pathways and the activation of Fas-mediated apoptosis, while the extracellular mechanism involves the binding of a secreted form of this protein to glucose regulated protein 78 (GRP78) on the cell surface, which leads to activation of the extrinsic apoptotic pathway. This gene is located on the unstable human chromosomal 12q21 region and is often deleted or mutated different tumors. The encoded protein also plays an important role in the progression of age-related diseases. [provided by RefSeq, Aug 2017]