

Product datasheet for **RC201216L4V**

Bak (BAK1) (NM_001188) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bak (BAK1) (NM_001188) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Bak
Synonyms:	BAK; BAK-LIKE; BCL2L7; CDN1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001188
ORF Size:	633 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201216).
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_001188.2
RefSeq Size:	2203 bp
RefSeq ORF:	636 bp
Locus ID:	578
UniProt ID:	Q16611
Cytogenetics:	6p21.31
Domains:	Bcl-2
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane



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MW: 23.4 kDa

Gene Summary: The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. [provided by RefSeq, Jul 2008]