

## Product datasheet for **MR202460L3V**

### **Bnip3l (NM\_009761) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Bnip3l (NM_009761) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bnip3l
Synonyms:	C86132; D14Ertd719e; Nip3L; Nix
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009761
ORF Size:	657 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202460).
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. <a href="#">More info</a>
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:	<a href="#">NM_009761.2</a> , <a href="#">NP_033891.1</a>
RefSeq Size:	3237 bp
RefSeq ORF:	657 bp
Locus ID:	12177
UniProt ID:	<a href="#">Q9Z2F7</a>
Cytogenetics:	14 34.6 cM



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**Gene Summary:**

Induces apoptosis. Interacts with viral and cellular anti-apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. Inhibits apoptosis induced by BNIP3. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix (By similarity). May function as a tumor suppressor (By similarity).[UniProtKB/Swiss-Prot Function]