

Product datasheet for **MR207227L4V**

Casp2 (NM_007610) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Casp2 (NM_007610) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Casp2
Synonyms:	Casp; CASP-2; Ich-; ICH-1; Nedd; NEDD-2; Nedd2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007610
ORF Size:	1356 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207227).
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_007610.1
RefSeq Size:	3463 bp
RefSeq ORF:	1359 bp
Locus ID:	12366
UniProt ID:	P29594
Cytogenetics:	6 20.54 cM



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Gene Summary:

This gene encodes the evolutionarily ancient and most conserved member of the cysteine proteases that plays important role in stress-induced apoptosis, DNA repair and tumor suppression. Mice lacking the encoded protein develop normally but display cell type-specific apoptotic defects. Germ cells and oocytes from such mice were found to be resistant to cell death after treatment with chemotherapeutic drugs. [provided by RefSeq, Apr 2015]