

Product datasheet for **RC210146L4V**

Caspase 14 (CASP14) (NM_012114) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Caspase 14 (CASP14) (NM_012114) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Caspase 14
Synonyms:	ARCI12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012114
ORF Size:	726 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210146).
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_012114.1
RefSeq Size:	777 bp
RefSeq ORF:	729 bp
Locus ID:	23581
UniProt ID:	P31944
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome
MW:	27.5 kDa


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Gene Summary:

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This caspase has been shown to be processed and activated by caspase 8 and caspase 10 in vitro, and by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier. [provided by RefSeq, Jul 2008]