

Product datasheet for RR205547L4

Casp2 (NM_022522) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	Casp2 (NM_022522) Rat Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	Casp2					
Mammalian Cell Selection:	Puromycin					
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF inser	t of th	is clone	is exac	tly the sa	me as(RR205547).
Restriction Sites:	Sgfl-Mlul					
Cloning Scheme:			sgf I GCG ATC GC ATG	ORF	Mlu I ACG CGT	
		EcoR I	BamHl	RBS	Consensus Sgf I	ORF
	CTATAGGGCGGCC	GGGAATTCGTC	GACTGGATCCGGTA	CCGAGGAGATCI	IGCCGCCGCGATCGC C	ATG

 Mlu1
 Not1
 Xho1
 mGFP Tag

 ...
 NNN
 ACG CGT ACG CGG CCG CTC GAG
 ATG AGC GGG GGC
 ...

 T
 R
 T
 R
 P
 L
 M
 S
 G
 G
 ...



* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_022522 1356 bp



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	2 (NM_022522) Rat Tagged Lenti ORF Clone – RR205547L4
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 022522.2, NP 071967.2</u>
RefSeq Size:	3365 bp
RefSeq ORF:	1359 bp
Locus ID:	64314
UniProt ID:	<u>P55215</u>
Cytogenetics:	4q24
Gene Summary:	may play a role in proteolysis and programmed cell death [RGD, Feb 2006]

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