

Product datasheet for MR229743

Casp9 (NM_001277932) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casp9 (NM_001277932) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Casp9
Synonyms:	A115399; APAF-3; AW493809; Casp; CASP-9; Caspase-9; ICE-; ICE-LAP6; Mch6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229743 representing NM_001277932 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGAGGCGGACCGGCAGCTCCTGCGCGCATGCAGGGTGCCTAGTGAGCGAGCTGCAAGTCGCGG
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CTTACAAGCAGATTCCTGGCTGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR229743 representing NM_001277932
 Red=Cloning site Green=Tags(s)

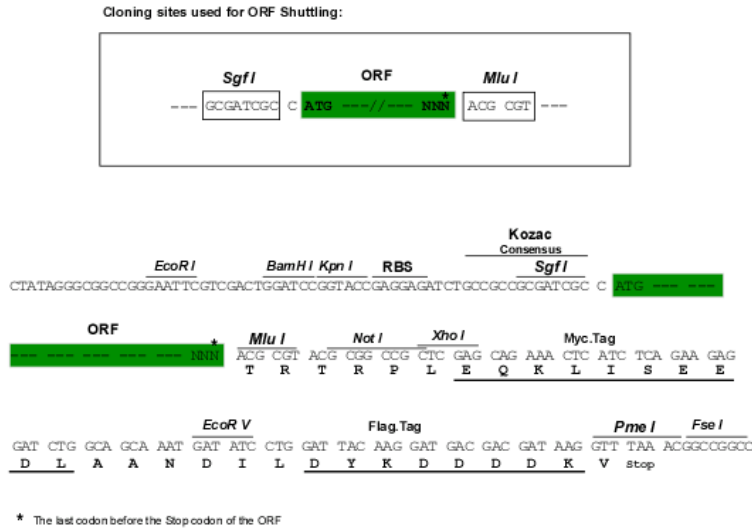
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 PSSGLGTRTGSNLDKLEHRFRWLRFMVEVKNDLTAKKMVTALMEMAHRNHRALDCFVVVILSHGCQAS
 HLQFPGAVYGTDCGSVSIKIVNIFNGSGCPSLGGKPKLFFIQACGGEQKDHGFVACTSSQGRTLSDSDS
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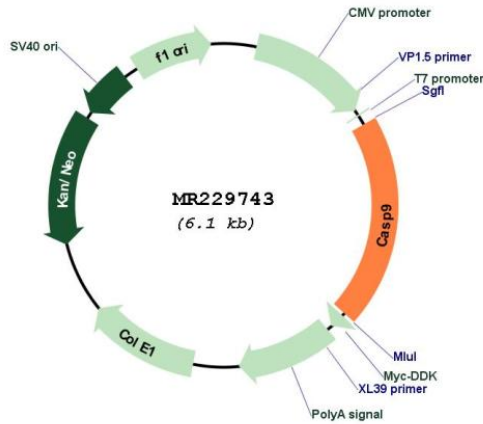
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277932

ORF Size:	1215 bp
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.
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:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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:	NM_001277932.1 , NP_001264861.1
RefSeq Size:	3789 bp
RefSeq ORF:	1218 bp
Locus ID:	12371
Cytogenetics:	4 D3
MW:	44.8 kDa
Gene Summary:	This gene is part of a family of caspases, aspartate-specific cysteine proteases well studied for their involvement in immune and apoptosis signaling. This protein, the initiator caspase, is activated after cytochrome c release from mitochondria and targets downstream effectors. In mouse, deficiency of this gene can cause perinatal lethality. This protein may have a role in normal brain development. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Apr 2013]