

Product datasheet for **MG206636**

Casp12 (NM_009808) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casp12 (NM_009808) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Casp12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206636 representing NM_009808 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCAGGAGGACACATGAAAGAGATCCAATCTACAAGATCAAAGTTTGGCCAAGGACATGCTGG
ATGGGGTTTTGATGACCTGGTGGAAGAATGTTTTAAATGGAGATGAGTTACTCAAAATAGGGGAAAAG
TGCGAGTTTCATCCTGAACAAGGCTGAGAATCTGGTTGAGAACTCTTAGAGAAAACAGACATGGCAGGA
AAAATATTTGCTGGCCACATTGCCAATCCCAGGAACAGCTGAGTTTACAATTTTCTAATGATGAGGATG
ATGGACCTCAGAAGATATGTACACCTTCTCCATCAGAATCCAAGAGAAAAGTAGAGGATGATGAAAT
GGAGGTAATGCTGGATTGGCCCATGAATCACATCTAATGCTGACAGCTCCTCATGGACTCCAGAGCTCA
GAAGTCCAAGATACACTGAAGCTTTGTCCACGTGATCAGTTTTGTAAGATAAAGACAGAAAGGGCAAAAAG
AGATATATCCAGTGATGGAGAAGGAGGGACGAACACGTCTGGCTCTCATCATCTGCAACAAAAGTTTGA
CTACCTTTTTGATAGAGATAATGCTGATACTGACATTTTGAACATGCAAGAACTACTTGAATCTTGGGA
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TCTAACTGTCGGAGTCTGAGAAACAAACCAAGATTCTCATCATGCAGGCCTGCAGAGGCAGATATAATG
GAACTATTTGGGTATCCACAAACAAAGGATAGCCACTGCTGATACAGATGAGGAACGTGTGTTGAGCTG
TAAATGGAATAATAGTATAACAAAGGCCATGTGGAGACAGATTTTCATTGCTTTCAAATCTTCTACCCCA
CATAATATTTCTTGAAGGTAGGCAAGACTGGTCCCTCTTCAATTTCAAACCTATTGACTGCTTCAAAA
AGTACTGTTGGTGTATCATTGGAGGAAATTTTTCGAAAGGTTCAACACTCATTGAGGTCCCAGGTGA
ACTGACCCAGATGCCACTATTGAGAGAGTATCCATGACACGCTATTTCTACCTTTTCCCGGGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206636 representing NM_009808
 Red=Cloning site Green=Tags(s)

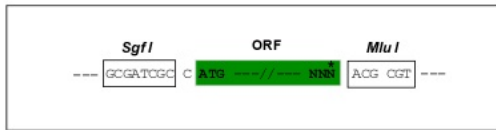
MAARRTHERDPIYKIKGLAKDMLDGVFDDLVEKNVLNGDELLKIGESASFILNKAENLVENFLEKTD
 MAGKIFAGHIANSEQLSLQFSNDEDDGPQKICTPSSPSESKRKVEDDEMEVNAAGLAHESHLMLTAPHGLQSS
 EVQDTLKLCPDQFCKIKTERAKEIYPVMEKEGRTRLALICNKKFDYLFDRDNADTDILNMQELLENL
 GYSVVLKENLTAQEMETELMQFAGRPEHQSDSTFLVFMHSHGILEGICGVKHRNKKPDVLDHDTIFKIFNN
 SNCRSLRNKPKILIMQACRGRYNGTIWVSTNKGIATADTDEERVLSCWNNNSITKAHVETDFIAFKSSTP
 HNISWKVGKTGSLFISKLIDCFKKYCWCYHLEEIFRQVHSFEVPGELTQMPTIERVSMTRYFYLFPGN

TRTRPLE - GFP Tag - V

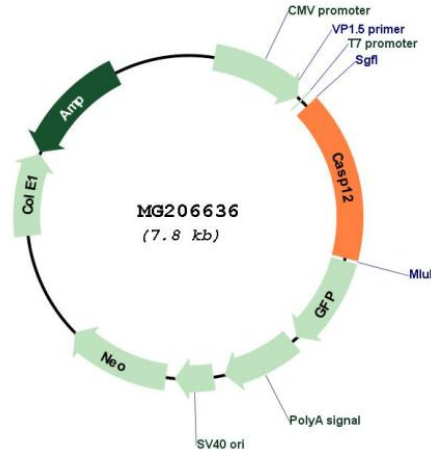
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_009808

ORF Size:	1257 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_009808.4
RefSeq Size:	2580 bp
RefSeq ORF:	1260 bp
Locus ID:	12364
UniProt ID:	O08736
Cytogenetics:	9 2.46 cM
Gene Summary:	Involved in the activation cascade of caspases responsible for apoptosis execution. [UniProtKB/Swiss-Prot Function]