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Product datasheet for MR200110

Triap1 (NM_026933) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Triap1 (NM_026933) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Triap1
Synonyms:	1810015M01Rik; AU020874; AU043831; P53csv; Wf-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200110 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAACAGCGTCGGGGAGGCTTGCACTGACATGAAGCGCGAGTACGACCAGTGCTTCAACCGCTGGTTTG CTGAGAAGTTCCTCAAAGGGGACGGCTCCGGGGACCCGTGCACCGACCTCTTCAAACGCTACCAGCAGTG CGTGCAGAAAGCAATCAAGGAGAAAGAGATTCCTATTGAAGGCCTGGAGTTCATGGGCCATGGCAAAGAA AAGCCTGAAAACTCCTCT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR200110 protein sequence Red=Cloning site Green=Tags(s) MNSVGEACTDMKREYDQCFNRWFAEKFLKGDGSGDPCTDLFKRYQQCVQKAIKEKEIPIEGLEFMGHGKE KPENSS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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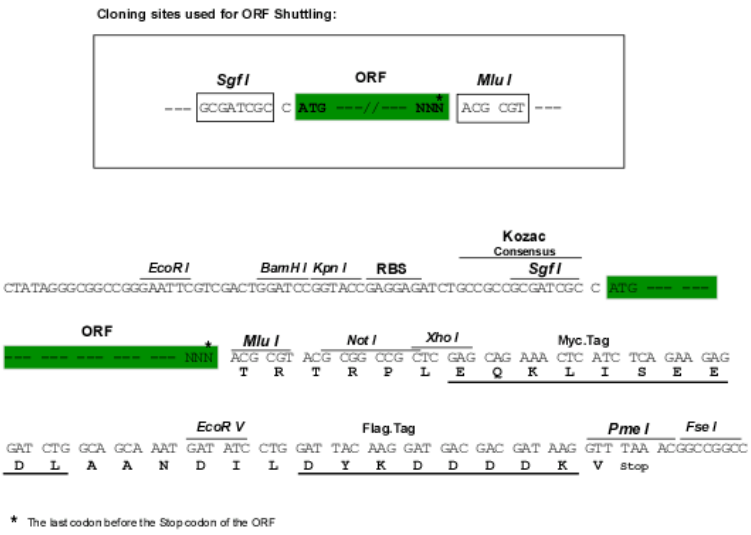
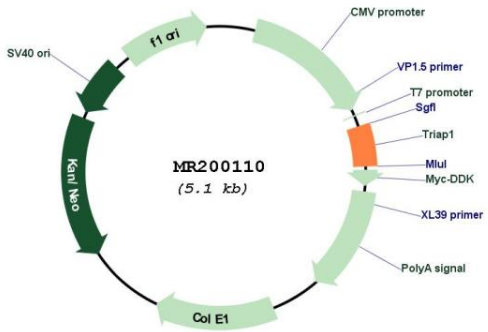
Cloning Scheme:



ACCN:	NM_026933
ORF Size:	231 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:	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_026933.3
RefSeq Size:	1049 bp
RefSeq ORF:	231 bp

Locus ID:	69076
UniProt ID:	Q9D8Z2
Cytogenetics:	5 F
MW:	8.8 kDa
Gene Summary:	Involved in the modulation of the mitochondrial apoptotic pathway by ensuring the accumulation of cardiolipin (CL) in mitochondrial membranes. In vitro, the TRIAP1:PRELID1 complex mediates the transfer of phosphatidic acid (PA) between liposomes and probably functions as a PA transporter across the mitochondrion intermembrane space to provide PA for CL synthesis in the inner membrane. Likewise, the TRIAP1:PRELID3A complex mediates the transfer of phosphatidic acid (PA) between liposomes (in vitro) and probably functions as a PA transporter across the mitochondrion intermembrane space (in vivo). Mediates cell survival by inhibiting activation of caspase-9 which prevents induction of apoptosis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200110