

Product datasheet for RN208835

Pmaip1 (NM_001008385) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmaip1 (NM_001008385) Rat Untagged Clone
Tag: Tag Free
Symbol: Pmaip1
Synonyms: Noxa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208835 representing NM_001008385
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCGGGAGAAAGGCGCGTCGGAACGCGCCATTGAACCAACGCGGGCAGAGTTACCGCTGAATTCCG
 CAGCTCAGCTCAGGAAGATTGGAGATAAAGTGTACTGCACGTGGAGTGCACCGGACATAACTGCGGTTCT
 GGCGCAGATGCC TGGCAAGAAGTCGCGAAAGAGCACGATGAGAAGAAGCCCAAGCCCAACCCGGGTGCCA
 GCAGACCTGAAGGACGAGTGTGATCAACTCCGGAGAATTGGAGACAAAGTGAATTTACGGCAGAAACTTC
 TGAAATTTATTTCCAAGCTCTTCAATTTAATAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001008385
Insert Size: 318 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001008385.1](#), [NP_001008386.1](#)

RefSeq Size: 318 bp

RefSeq ORF: 318 bp

Locus ID: 492821

UniProt ID: [Q5U777](#)

Cytogenetics: 18q12.1

Gene Summary: Promotes activation of caspases and apoptosis. Promotes mitochondrial membrane changes and efflux of apoptogenic proteins from the mitochondria. Contributes to p53/TP53-dependent apoptosis after radiation exposure. Promotes proteasomal degradation of MCL1. Competes with BAK1 and with BIM/BCL2L11 for binding to MCL1; can displace BAK1 and BIM/BCL2L11 from their binding sites (By similarity).[UniProtKB/Swiss-Prot Function]