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Product datasheet for MC224957

Atad5 (NM_001029856) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atad5 (NM_001029856) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atad5
Synonyms:	C130052G03Rik; FRAG1; Gm17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224957 representing NM_001029856
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGGGGGTCCTGAGCATGGCGGCGGCTGCAGCACCCCTTCCTGTGAAGGACTACGAGATTGAGCCAT
GCAAAAAGCGGAGAAAAGATGATGACAACTCTTCCTGCGAAACAATCACCAAATATTTATCACCAATAGG
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CTACCATTTCAAAAGCACTGGAGTCCTTGAATTCATGCAAGCAATTAGAAAGAGACCCAACCAATGAACT
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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001029856

Insert Size: 5481 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_001029856.2, NP_001025027.1

RefSeq Size: 7272 bp

RefSeq ORF: 5481 bp

Locus ID: 237877

UniProt ID: Q4QY64

Cytogenetics: 11 B5

Gene Summary: Involved in DNA damage response. Involved in a RAD9A-related damage checkpoint, a pathway that is important in determining whether DNA damage is compatible with cell survival or whether it requires cell elimination by apoptosis. Modulates the RAD9A interaction with BCL2 and thereby induces DNA damages-induced apoptosis.[UniProtKB/Swiss-Prot Function]

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