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Product datasheet for MC214633

Endov (NM_001164636) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Endov (NM_001164636) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Endov
Synonyms:	A730011L01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC214633 representing NM_001164636
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCACACGGCCGCTGAGCGGCCGCCAGAGGAAACCCTGTCGCTGTGGAAAGGGGAACAAGCCCGGC
TGAAAGCGCGCGTGGTGGATCGGGACACGGAGGCCTGGCAGCGGGACCCCAGCTTCTCGGGCCTGCAGAA
GGTCGGGGGCGTGGATGTGTCCTTCGTGAAAGGGGACAGTGTCCGGGCCTGCGCTTCCCTGGTAGTGCTG
AGCTACCCCGAGCTCAAGGTGGTGTATGAGGACAGCCGCATGGTTGGCCTGAAGGCCCCCTATGTGTCAG
GCTTCCTGGCCTTCCGAGAGGTCCCTTTCCTGGTGGAGTTGGTACAGCGGCTGCAAGAGAAGGAACCAGA
TCTCATGCCCCAGGTCGTTCTTGTGGATGGAAACGGGGTGCTTCACCAACGAGGCTTCGGGGTGGCCTGC
CACCTTGGTGTCCTTACAGAGCTGCCATGCATCGGGGTGGCCAAGAAGCTCCTGCAGGTGGATGGACTGG
AGAACAATGCTCTGCACAAGGAGAAGATTGTGCTCCTGCAGGCCGGAGGAGACACATTTCCTCTGATAGG
CAGCTCTGGGACTGTCCTGGGAATGGCCCTGAGGAGCCATGACCACAGCACCAAGCCCCTCTATGTCTCT
GTGGGCCACAGAATAAGCCTGGAGGTCGCTGTGCGCCTCACCCACCACTGCTGTAGGTTCCGGATCCCAG
AACCTATACGCCAGGCTGACATCCGCTCTCGAGAGTACATCCGAAGGACTCTAGGGCAGCTTGGGGTGGC
TCCTGCACAGAGAAAGGACAGGAGCCAGAAAGAGCAGAGGCCAAATGCATGCCCCCAAGGAGGCCCAGGA
GCACTTGCAGATCAAGGCAGGCCTCCTGAATGCGACGGCAGAGACTCCAGCTCAGACCGGAAAGCCCCCG
AGCCAGGCTTCCAGGAGCAGAAGGACCAGCAGTTGGAGGGAACCGGGCATCAGGAAGACTCGGACCTCTG
GCCTCCTTCTCCAGCCTGGGTACAGTCACCACCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_001164636
Insert Size:	1017 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_001164636.1, NP_001158108.1
RefSeq Size:	5112 bp
RefSeq ORF:	1017 bp
Locus ID:	338371
UniProt ID:	Q8C9A2
Cytogenetics:	11 E2
Gene Summary:	Endoribonuclease that specifically cleaves inosine-containing RNAs: cleaves RNA at the second phosphodiester bond 3' to inosine. Has strong preference for single-stranded RNAs (ssRNAs) toward double-stranded RNAs (dsRNAs). Cleaves mRNAs and tRNAs containing inosine. Also able to cleave structure-specific dsRNA substrates containing the specific sites 5'-IIUI-3' and 5'-UIUU-3'. Inosine is present in a number of RNAs following editing; the function of inosine-specific endoribonuclease is still unclear: it could either play a regulatory role in edited RNAs, or be involved in antiviral response by removing the hyperedited long viral dsRNA genome that has undergone A-to-I editing. Binds branched DNA structures (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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