

Product datasheet for MC207963

Endov (NM_177394) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Endov (NM_177394) Mouse Untagged Clone
Tag: Tag Free
Symbol: Endov
Synonyms: A730011L01Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207963 representing NM_177394
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTTGGCCTGAAGGCCCCCTATGTGTCAGGCTTCTGGCCTCCGAGAGGTCCCTTTCTGGTGGAGT
 TGGTACAGCGGCTGCAAGAGAAGGAACCGATCTCATGCCCCAGGTCGTTCTTGTGGATGAAACGGGGT
 GCTTCACCAACGAGGCTTCGGGGTGGCCTGCCACCTTGGTGTCTTACAGAGCTGCCATGCATCGGGGTG
 GCCAAGAAGCTCCTGCAGGTGGATGGACTGGAGAACAAATGCTCTGCACAAGGAGAAGATTGTCTCTGC
 AGGCCGGAGGAGACACATTTCTCTGATAGGCAGCTCTGGGACTGTCTGGGAATGGCCCTGAGGAGCCA
 TGACCACAGCACCAAGCCCTCTATGTCTCTGTGGGCCACAGAATAAGCCTGGAGGTCGCTGTGCGCCCTC
 ACCCACCCTGTGTAGGTTCCGGATCCGAGAACCTATACGCCAGGCTGACATCCGCTCTCGAGAGTACA
 TCCGAAGGACTCTAGGGCAGCTTGGGGTGGCTCCTGCACAGAGAAAGGACAGGAGCCAGAAAGAGCAGAG
 GCCAAATGCATGCCCCCAAGGAGGCCAGGAGCACTTGCAGATCAAGGCAGGCCTCCTGAATGCGACGGC
 AGAGACTCCAGCTCAGACCGGAAAGCCCCGAGCCAGGCTTCCAGGAGCAGAAGGACCAGCAGTTGGAGG
 GAACCGGGCATCAGGAAGACTCGGACCTCTGGCCTCCTTCTCCAGCCTGGGTACAGTCACCACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_177394
Insert Size: 768 bp



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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:	<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_177394.3 , NP_796368.1
RefSeq Size:	5164 bp
RefSeq ORF:	768 bp
Locus ID:	338371
UniProt ID:	Q8C9A2
Cytogenetics:	11 E2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents an alternate 5' splice pattern and uses a downstream start codon, compared to variant 1. Isoform 2 has a shorter N-terminus, compared to 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.</p>