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Product datasheet for SC206273

Endonuclease V (ENDOV) (NM_001164638) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Endonuclease V
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001164638
Insert Size:	450 bp
Insert Sequence:	>SC206273 3'UTR clone of NM_001164638 The sequence shown below is from the reference sequence of NM_001164638. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAGGAGCAGGCGGGCAAGGACTGGCAGTAGGGTGGAACTGGGCACCATGAAGACAAGAAGGCCACCGGC CACCCCGTTCTGGCCTCAGGACACTGACCACCCCTGGGGGTGGTCTAGGGACTTAGGGGAACCTCATCT CAGCCGCAGGTGGAGCACCCAGTCCCCAAAGACAGGCTGACCGCACCACCCCAGGGGGACGCCGCAGCA CAGCCCAGCACCAGGTGGGGCAGAGGTGACCACGGCCCCTCTTTGCTCCGTCATCGGCTGGTCAGCTGT GGTCACGGTGCCTCAGAGGACAGATCTCTATGGGGGCAAGTGCCAGATCCTGAGAGCGCATGAGACGCT TTCCCGGAGCCGACGAAGGGGACTCGGAGCTGCAGCCTGCACGACCCCTGCAGCCTGTGCTTTGCCCAC CCCTTTCAATAGATGGAACTTGCTTGCTCTTTTTTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

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Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001164638.3

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.[UniProtKB/Swiss-Prot Function]

Locus ID: 284131

MW: 16