

Product datasheet for SC213231

EXDL1 (EXD1) (NM_152596) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EXDL1 (EXD1) (NM_152596) Human 3' UTR Clone
Symbol:	EXDL1
Synonyms:	EXDL1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_152596
Insert Size:	1233 bp
Insert Sequence:	>SC213231 3'UTR clone of NM_152596 The sequence shown below is from the reference sequence of NM_152596. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGATAAGTCCTTTTCTAAATCTGCCCTAGAGATGGGCAGTTTGTCTTAAGGCCATACAGATGGCTTA
TTTCTTTGCCATCAGGGCTTTCCACAGTGCCAGGTTTCTCATGTTGTAATGTAGTAATGCTTCAGT
CACAGGGGAAAAATATATCCTCTTGCTTACTCCTGTGTTCTGGTATGCGGAGAATGAGAATGAATAAG
TTAAATAATGGAAGAAGTATAATTTCTGATTATGTCAGTGTAGAAAATGTTCTCAGTGACCAGAGTGC
ATTATTTTTCATAATTTGGGTTTAGAGGATTTGAAGAAAGGAAGAATCTTGGGCTTAGTATCAGGAAGA
CTCCATCATTTTCAAATTTGTTTTGCTTCTTGACTTTTGGATTCTTTGAAGAGACCTGGTAAACTA
TTAAACAATTCATTTAAAAAATGGTACCTGATAACTTTACCAGTACTTTTTCTTTTTATTTATTTGT
TTTTATTTATTTTTTTTACCGCTCCTGTGGAGCAGGGCTACACCATAGGCAGTGTGCCAGAGTAACC
ACTTTTTCTTTTTTAAATATAATATAAATTTATGTTGAATGTTGAATGTTTTGTCTGTCTCTTAG
GCAAATAATGTTATAGGAATCAATAATTTAATTTTTGTTTTATTTGTTTTTGATGGAGTCTCACTCTG
TCACCCAGGCTGGAGTGTAGTGGTGAATCTCTGCTCACTGCAACCTCCGCTCCCGGGTTCAAGCAAT
TCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGTGCGTGCCACCACGCCCCGCTAATTTTTGTA
TTTTTAGTAGAGATGGGGTTTCCACCATGTTGGCCAGGCTGGTCTCGAACTCCTGACTGACCTTGTGGTC
CACCTGCCTTTGGCTTCCAAAGTCTGGGATTACAGGTGTGAGGCACGGTGCCCGCAATATCTTTAT
TTTAATTTGTTTTATTTCTTTATTTTTAGCTGGTTTTGTCCATTTTCTAACAAAGCAGGGACCTTG
GGTTTTCTTTTAGTCTGTCTGTTATATAAACTTGAAGCCTGACTCCATTTCTATTTGCCTGGAGTTAGTA
TACTTTCTTAGGGTAAAGGAAGGCAGCTTGATTGAGCCTTTAAAGTATTGAATGCTTGCAAATTC
TAACATTTCTTTGTGTAATAACCAATAAACCTGTTTTGTGCTACTCTACTTAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG

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Restriction Sites:	Sgfl-Mlul
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.
RefSeq:	NM_152596.4
Summary:	RNA-binding component of the PET complex, a multiprotein complex required for the processing of piRNAs during spermatogenesis. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposable elements, preventing their mobilization, which is essential for the germline integrity (By similarity). The PET complex is required during the secondary piRNAs metabolic process for the PIWIL2 slicing-triggered loading of PIWIL4 piRNAs. In the PET complex, EXD1 probably acts as an RNA adapter. EXD1 is an inactive exonuclease (By similarity). [UniProtKB/Swiss-Prot Function]
Locus ID:	161829
MW:	46.6