

## Product datasheet for **SC213496**

### **EXD2 (NM\_018199) Human 3' UTR Clone**

#### **Product data:**

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | 3' UTR Clones                       |
| Product Name:             | EXD2 (NM_018199) Human 3' UTR Clone |
| Symbol:                   | EXD2                                |
| Synonyms:                 | C14orf114; EXDL2                    |
| Mammalian Cell Selection: | Neomycin                            |
| Vector:                   | pMirTarget (PS100062)               |
| ACCN:                     | NM_018199                           |
| Insert Size:              | 2000 bp                             |



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**Insert Sequence:** >SC213496 3'UTR clone of NM\_018199  
The sequence shown below is from the reference sequence of NM\_018199. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGGAAGATCTTCCCATCCAGCTGTCTGATAGCTGCTTTCCTCCAGTTAGGACAAGTGGGAAGCTGG
AGCCAAGTTGAAGAGTCACCTCTTCCATTTTAGTACATCATTAAATGTCAAAGCCTGTGTGACACAA
CTCAGAATACTAACCTAGACTAATCCCAGGATGCTTCTGCTGGAGCAAAGATATTGTTTGAAGGAGAGT
TTATGGTTTTGGATTTTAAACGGGCAGGGTCTTTTTCTCTCATTTTTGTGGACAAGAGAGGCCTTCG
CCTTTATTTTACTCTCCCTCTTCTGCTGTCCCTGTGCAGAGGAAAAATGAAGAATCTCCCAGAAGTG
ACTTGCAAGACTTAAAAAAATGTTTTAATGCATTTCTTCTGTCTAGTGCCTCGGTTTATCTCTA
ACAGGGGCTGTCCAGTATATCGGTCTGTAGGAGGGGAGAAAAAGTTCTTCAAAGGCTGGAGAAGTG
AACAGGAGTCAAATTTATTTTCCCAATCAACTTCATAATTATCATTTCTTTGGCTTCATGCTCTCCC
GTAACATCATGTGGTTGGGATCCATCCCCTCTGGGTCACTTCAGTCTACTTCACGTAAGGCTT
TCCTTTACACTTCCAGGACCAAAACAGCAACTTCCTGCCACACACTTCCACCTATCACTGGGAGAAATC
CTTTTCTGGACATGAGCCTTTGACCTGGGTGGGGCAGAAAGAACCACAACTCCATCTCCCAATAGAAC
TTTGAAATTCACCTCAGCTTTTCTTTTATGCTGTTTGTGCTGCTTGTGCACTCCTCTGCCCCAGA
ACTGCAAGATTTTGTCTTACCCCTTTCTGAGAGTAATGTTATCTTTATCAGAATCAGTATCAGTTC
CCCTGTATTCTGTGCTTCATCGAATTTGCAAGACTGACCTCTTTAAGCATTTAATTCACCTCCAGAGT
CATCTGGTCAGGTTGCAATATGAGGACTTCTCTGTCTCTCTGAAGCCTGGGACACTGAGCTTACTTAA
TACATTAGATGTTCAAAAGAGGAGCGTTGTTTCATCTTTCAAAATGTTAGGCCATTACTTTGAGTATAA
AATCGACTTATTAATGATTAGTAATTTTCTAAAGTATTGGGAAAACCTTTCTTATTTTATAAGATCTTA
ACAAGCTTAAAAAAGAATTTTATGACCAGAATCCAACAAGAGCTCTATTTTGAATTGTGCCAAGTTG
GTGATGTTTACTCTAAAATTAATAATAAACTACTTGTAGCACAAAGGCTCACTGGATGTAATGTAAA
ACTTCGCGACTTTATAAACTGGCATTCTAGGGGAGGGGCTATTTATCTACAGGTCCCTGCCTCTG
GCAGTGCCATGGTATGTGTGCATGGATATACCAGACACAGTCACCATCGGCCATCAGTAGCAGCCCATG
AACCCACGTGCACATCTGCATCTTGCTCTTCTGACCCTTCATTCCCACTTGCTTCAGGCAGGCATTT
CTGGGATCTAACTAGAAATCCTTGAAAACAAATAGTACCAGCCACTTTGAGGAATGTGCATTCACTGT
AGTGGGTATTATGGGGTCTCTGCCTCCTGGCTGTGTTATGCGGAGCCCAGGAGTGGAGGAGAGCCGTG
GAAATAGACAGGGAGAGGCTGGTACTTGGGTGTGGTAATAGTCAGGCTTGCCACAAGAGGCACTCAT
AGATTTGTTTTTATTCATTCTTGAGAAAAAGCAACTGGTTACTGAACGTAACCTCATGACTTATGTT
TCAAAATTTGCATAGCTGATTTTAAATCATTTTGATAGCTTTGCAAGAAAAATTTTCTTTGAAACAA
GGGAGTAGGGCTGTTTCATTTTCTTCTCTAATCCTCATGCCAAGAGGTGAGAAACACTTAAGGTCA
TTTAAGGTGCTAGGGAAGGGTTTTCCCATGGAGCTTTCTGTGAGGCGCAGTAAATAGAGCCAGCAG
ACGCGTAAGCGGCCCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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**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.

**RefSeq:** [NM\\_018199.4](#)

**Summary:** Exonuclease required for double-strand breaks resection and efficient homologous recombination. Plays a key role in controlling the initial steps of chromosomal break repair, it is recruited to chromatin in a damage-dependent manner and functionally interacts with the MRN complex to accelerate resection through its 3'-5' exonuclease activity, which efficiently processes double-stranded DNA substrates containing nicks.[UniProtKB/Swiss-Prot Function]

**Locus ID:** 55218

**MW:** 75.7