

## Product datasheet for **MC221457**

### Diexf (NM\_145415) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Diexf (NM_145415) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Diexf
Synonyms:	AA408296; AW045375; Def
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221457 representing NM\_145415  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAAACGCCGAACCGGGCCGAGCCAGATGCTCAGCACCATGACCAAGAAGCAGAAGAAGCACC  
 TCCGCGACTTCGGCGAGGAGCACCCCTTCTACGACAGGGTTTCCAAGAAGGAAGCCAAGCCGAGATTTG  
 TCAGCTGCCAGAGAGTTCAGATTCTTACATTCTGAAAGTGAATCAGAGAGTGAACAAGAGCACGTTTCA  
 GGGTACCACAGACTGCTTGTACATTAAGAATGTTTCTGAGGAAGAGGAAGAGGAGGAGGAGGAGGAGG  
 AGGAGGAGGAGGAGGAGGAAGAGGAAGAGGAAGATGACAGTGTGTAGGTGATGCAGAAATGAATGAGGA  
 AGCTGGCAGTGGAGTGGCAGTGTGGGAGAAGTGTCTGCTCGGAGGCTGCTGAGGAGGCTGCTGAGACA  
 CAGGAACATATGTCTCTAGCTGACAACCAAAAAGAAAAGATGGTGAAGAGCCACCTGGTGTATCACAGA  
 AATCCTCAGAGGAGTTCACAGATGTAAACACGAGTCACTGTTCCAGCCTGGAAACTAATTTTCTAGAAGA  
 GGATAGCGGGGGCAGTTGTTCCAGAGGCCATCCAAGATCCGTTTCAACAACATGTCAACAAAGAACTG  
 AAAGAGAAGGAAATTCAGCTGTGCTTCCAGCCCTCCAGCTACCCAGCAACTGAAATGGCCAGTCTGG  
 GACATCTTGTCTTTTTCATCAAAGTTCAGAAGACGGAAACATTTAAACCTCCAAAGGATATTGACCTAAA  
 GTTACTTCATCTTCAGAAGCCTCTAGAATCCACCTGGGCAAAAACCAATAGCCAATTTCTATCTGGACCT  
 CAAAAATCAAATAGCTCCTTTACCCCGCTCCAGAAAGAGCTGTTCTTAATTATGAATTTTACCGGGACC  
 TGTTCTACCCTGAGAGGACTGCCTGAAGAATGGAGAAGAAGTCCGCCATGTATACTGCCTGCATGCCAT  
 AAACCATGTCTCAAAGCCAATGCTCAGGTGCTGGCTAACACAGTAGGCGCCGGAGCCAGAAACTTGGG  
 GTGGGTGAAGATGATGACTTCAGGGACCAAGGGCTCACCAGGCCTAAGGTAATATAGTGGTGCCTTCC  
 GGAAGTGCCTTCGGGTGGTCCAGCTTTCATCAGCCTCCTGAAGGGGACAGCAAGAAGAAAATCAT  
 TGTAAAGCAATAAAAAGCGGTTTCAGGGGAGATGGATCTGATCCTGAGGAGAGACCTCCCAACCTGAAG  
 AGGCCTGAGGATTATGAAGCTGTGTTCTGTTGGGCAATATTGATGACCACTTCAGGATTGGAGTGGCAATAC  
 TTCAGAGGAGCATCCGTCTCTACGCCCCGTTTTACTCCTCCGACATCCTCATTGCCTCCCCCTGGGCTT  
 GAGGACCATCATTGGTGGTGAAGGAGAGAAGAAGAGAGATTTTGACTTCTGTCTTCCGTTGAGCTGCTC  
 ATCATTGACCAGGCTGACATTTACCTGATGCAGAACTGGGAACATGTCTTGCAATTTGATGAACCACATGA  
 ACCTGTGCCCTTGACTCACACGGGGTGGACTTCTCGAGAGTCCGAATGTGGAGCCTCAATAACTGGTC  
 CAAGTACTACCGACAGACTGCTCTTTGGTGCCTGCAGGATGCCAGATCAACTCTGTGTTCAACAAG  
 CACTGCATCAATGCTCAAGGCCAGTGGCTGTGAGGAATGTCCCATGACGGGCTCCATCAGTCATGTGT  
 TGGTGCAGCTCCCTCACGTCTTCCAGAGAATGGAAGCACAAAGACCTATCTTCAGTGATCGATGCCAGGTT  
 TCACTTTTTCATAAACAAGATTTGCCTCAGTACCGGGATGCTGTGATGCTCACACACTCATCTATGTC  
 CCCTCCTACTTTGACTTTGTGCGTCTCCGAAATTACTTCAAGAAAGAAGAGCTGAACTTCACACACATCT  
 GCGAGTATACGCAGAAGTCTGGGATCTCCAGGGCTCGACACTTCTTTCTGCAAGGAGAGAAGCAGTTTCT  
 GCTCCTCACAGAACGCTTCCATTTCTACAAAAGGTACACAATAAAAGGCATCAGGAACCTGATATTCTAT  
 GAACTGCCAACGTACCCTCACTTCTACAGTGAAGTCTGTAACATGCTGAGAGCCACCAGCAGAGGAGAGG  
 AGGCCACGTGGACGTGCACCGTGTGATTCCAAGTATGATGCCAGAGGCTGGCGGCTGTGGTTGGTGT  
 GGAGCGGGCGGCACAGATGCTGCAGTCTCAAAGAATGTCCACCTCTTCGTCACCGGAGAAAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_145415  
**Insert Size:** 2307 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_145415.2](#), [NP\\_663390.2](#)

**RefSeq Size:** 5548 bp

**RefSeq ORF:** 2307 bp

**Locus ID:** 215193

**UniProt ID:** [Q8BTT6](#)

**Cytogenetics:** 1 H6

**Gene Summary:** Regulates the p53 pathway to control the expansion growth of digestive organs.  
[UniProtKB/Swiss-Prot Function]