

## Product datasheet for RN217569

### Diaph1 (NM\_001107393) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Diaph1 (NM_001107393) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Diaph1
Synonyms:	Diap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217569 representing NM_001107393 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGCCGTCGGCGGGGGCCTAGGGCCCGCCGCGGGACCCGGGACAAGAAGAAGGGTCGGAGCCCGG  
ATGAGCTGCCTGCGACGGGCGGCGACGGCGGCAAAATAAGAAATTTACTTTGAAGCGGCTCATGGCAGA  
CGAGCTGGAGAGATTTACCAGCATGAGGATTAAGAAGGAGAAGGAAAAGCCCAATTCTGCTCATAGAAAC  
TCCTCTGCATCGTATGGAGATGACCCACTGCTCAGTCACTGCAGGACATCTCAGATGATCAAGTCTTG  
TCCTCTTTGAGCAGATGCTGGTGGATATGAACCTGAATGAGGAGAAACAGCAGCCTTTGCCGAGAGAAGGA  
CATTGTCAAGAGGGAGATGGTGTCCAGTATCTGCATACTTCCAAAGCTGGCATGAACCAGAAGGAG  
AGTTCCAGGTCTGCCATGATGTACATTCAGGAGCTGAGGTGAGGCTTGGGGATATGCACCTGCTTAGCT  
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AGCCGGAACCAGCATGAGATTATCCGCTGTTTGAAGCTTTCATGAACAACAAGTTTGAATCAAACCA  
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TGATGCAGCAAAGCTGCTGTGCCCTCTGTATCCTACCGCAGCCAGAGGACATGAATGAACGAGTTTTTA  
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TTAAACACAGTGAAGATTCCAAGGCAGAACCACACTTCTGTCTATCTTGCAGCATCTCTGTTGGTC  
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AGGATCTTCAAGGAGAAAAGGATGCCTTGGATTCTGAAAAGCAGCAGATCACTACACAAAAACAAGACCT
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CCCACCCCTCCTCCTCCTCTGCTGCAGGTAAGTCCCTCCACCTCCTCCTTTACCTGGAGGT
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AGTCTGCAGATCAGAAGATGACTCTGTTGCATTTCTGGCTGAGTTATGTGAGACTGACCACCCGATGT
CCTCAAGTTTCTGATGAGCTTGGCCATGTAGAGAAAGCCAGCAGAGTTTCTGCTGAGAACTTCAGAAG
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ACGAAAAAGACAAGTTTGTGAGAAGATGACTAGCTTTGTGAAGGATGCACAGGAACAGTATAACAAGCT
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AGAGCGACTGGAGAAGCAGCAGAAGCGAGAGCAGCTCATAGACATGAATGCAGAGGGGGATGAGACAGGT
GTGATGGACAGTCTTCTAGAAGCTCTGCAGTCAGGAGCAGCATTCCGACGGAAGAGAGGGCCCGCAGG
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TGCTAGTTCTGCTAAGGTGCCCAAGAAAAGTGAAGGAGTACCACAATCCTTGAAGAAGCCAAGGAACTG
TTGGCCGTGCAAGCTAA
    
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001107393
- Insert Size:** 3798 bp
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001107393.2](#), [NP\\_001100863.2](#)

**RefSeq Size:** 5588 bp

**RefSeq ORF:** 3798 bp

**Locus ID:** 307483

**Cytogenetics:** 18p11