

Product datasheet for **SC332675**

DIAPH3 (NM_001258370) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIAPH3 (NM_001258370) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIAPH3
Synonyms:	AN; AUNA1; DIA2; diap3; DRF3; mDia2; NSDAN
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332675 representing NM_001258370.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGTGAGGAGAGGAGCCTTTCCTTATTGGCCAAAGCCGTGGATCCCAGACACCCCAATATGATGACA
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TTTAA
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001258370

Insert Size: 2076 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).

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_001258370.1](#)

RefSeq Size: 2300 bp

RefSeq ORF: 2076 bp

Locus ID: 81624

UniProt ID: [Q9NSV4](#)

Cytogenetics: 13q21.2

Protein Pathways: Regulation of actin cytoskeleton

MW: 79.4 kDa

Gene Summary: This gene encodes a member of the diaphanous subfamily of the formin family. Members of this family are involved in actin remodeling and regulate cell movement and adhesion. Mutations in this gene are associated with autosomal dominant auditory neuropathy 1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Transcript Variant: This variant (7) differs in the 5' and 3' UTR, lacks a portion of the 5' and 3' coding regions, and initiates translation at an alternate start codon compared to variant 1. The resulting protein (isoform g) has shorter N- and C- termini compared to isoform a.