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Product datasheet for SC332671

DIAPH3 (NM_001258366) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: DIAPH3 (NM_001258366) Human Untagged Clone

Tag: Tag Free

Symbol: DIAPH3

Synonyms: AN; AUNA1; DIA2; diap3; DRF3; mDia2; NSDAN

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332671 representing NM_001258366.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAACGGCACCAGCCGCGGCTGCACCACCCGGCCCAAGGCTCAGCCGCTGGGACTCCCTACCCTTCC
TCAGCCTCTCTCCGCGGCTGCCGGGAAAGCAAGATGCCGCGCAGGAAGGGCCCCCAACACCCTCCGCCG
CCCAGTGGCCCCGAGGAGCCTGGGGAGAAGCGCCCCAAGTTTCTGGACAAATTTGCCAGCATAAGAATT
CCAGGGAGCAAGAAAGAGAGACCTCCACTTCCCAACCTGAAGACTGCATTTGCAAGCAGTGATTGCTCA
GCAGCACCTTTAGAGATGATGGAGAACTTTCCAAAGCCACTGTCAGAGAATGAACTCTTAGAACTTTTT
GAAAAAATGATGGAAGATATGAATTTAAATGAAGATAAAAAGGCACCATTGCGGGAAAAGGACTTCAGT
ATCAAAAAAGAAATGGTGATGCAGTACATTAATACTGCTTCTAAGACAGGAAGTCTTAAGAGAAGCCGA
CAGATCTCACCTCAGGAATTCATTCATGAGCTGAAAATGGGGTCTGCAGATGAGAGACTTGTCACATGC
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ATTTGCATAGATCAAGCAAAACTAGAAGAGTTTGAAGAGAAAGCATCAGAACTTTACAAGAAATTTGAA
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CAAGCAGAGCTACAAGCTTTTAAGTCTCAGTTTGGTGCCTTGCCAGCTGATTGTAATATTCCTTTGCCT
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GGGTTGAAACCAAAGAAAGAATTTAAACCTGAAATCAGCATGAGAAGATTGAATTGGTTAAAGATCAGA

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CCTCATGAAATGACTGAAAACTGTTTCTGGATAAAAGTAAATGAAAATAAGTATGAAAACGTGGATTTG
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AAAGCTAGTAAAGTCTCTGTAGAAACGCTGGAAAAGAATTTGAGGCAGATGGGAAGGCAGCTTCAACAG
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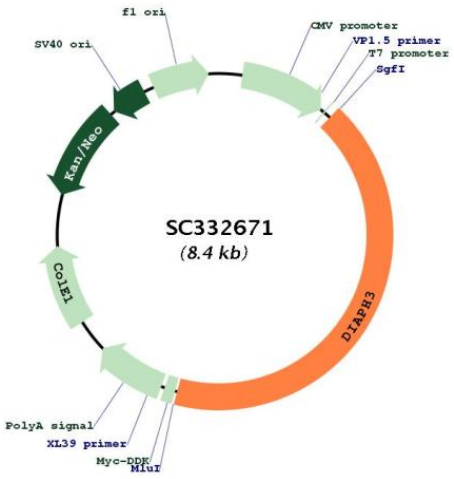
AATCTAGACACTCATACGTCTACTGGGAGGATCAAGGCAGCTGAGAAGAAGGAAGCGTGTAATGTAGAA
AGCAACAGAAAAAAGGAAACGGAACTTCTTGGCTCTTTTTCTAAAAATGAATCAGTTCCCGAAGTTGAA
GCCCTGCTGGCAAGATTACGAGCTTTATAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001258366

Insert Size: 3549 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_001258366.1
RefSeq Size:	4779 bp
RefSeq ORF:	3549 bp
Locus ID:	81624
UniProt ID:	Q9NSV4
Cytogenetics:	13q21.2
Protein Pathways:	Regulation of actin cytoskeleton
MW:	135.6 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 (3) lacks an alternate in-frame exon compared to variant 1. The resulting protein (isoform c) is shorter compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.