

Product datasheet for **SC324830**

DULLARD (CTDNEP1) (NM_001143775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DULLARD (CTDNEP1) (NM_001143775) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTDNEP1
Synonyms:	DULLARD; HSA011916; NET56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324830 representing NM_001143775. Blue=Insert sequence Red=Cloning site Green=Tag(s)

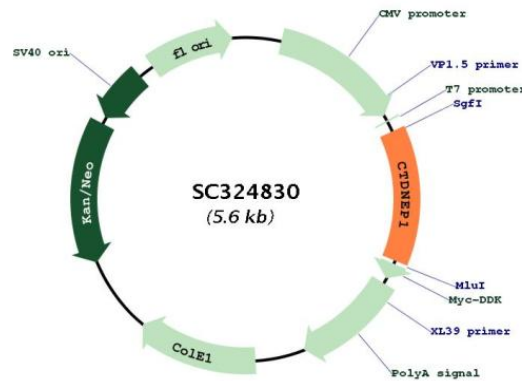
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGATGCGGACGCAGTGTCTGCTGGGGCTGCGCACGTTTCGTGGCCTTCGCCGCAAGCTCTGGAGCTTC
TTCATTTACCTTCTGCGGAGGCAGATCCGCACGGTAATTCAGTACCAAAGTTCGATATGATATCCTC
CCCTTATCTCCTGTGTCCCGAATCGGCTAGCCCAGGTGAAGAGGAAGATCCTGGTGCTGGATCTGGAT
GAGACACTTATCACTCCCACCATGATGGGGTCTGAGGCCACAGTCCGGCCTGGTACGCCTCCTGAC
TTCATCCTCAAGGTGGTAATAGACAAACATCCTGTCCGGTTTTTGTACATAAGAGGCCCATGTGGAT
TTCTTCTGGAAGTGGTACGAGCTGGTACGAGCTGGTGGTGTACAGCAAGCATGGAGATCTATGGC
TCTGCTGTGGCAGATAAACTGGACAATAGCAGAAGCATTCTAAGAGGAGATATTACAGACAGCACTGC
ACTTTGGAGTTGGGCAGCTACATCAAGGACCTCTCTGTGGTCCACAGTGACCTCTCCAGCATTGTGATC
CTGGATAACTCCCCAGGGGCTTACAGGAGCCATCCAGACAATGCCATCCCCATCAAATCCTGGTTCACT
GACCCAGCGACACAGCCCTTCTCAACCTGCTCCCAATGCTGGATGCCCTCAGGTTACCCGCTGATGTT
CGTCCGTGCTGAGCCGAAACCTTACCAACATCGGCTCTGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001143775

Insert Size: 735 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001143775.1](#)

RefSeq Size:	1713 bp
RefSeq ORF:	735 bp
Locus ID:	23399
UniProt ID:	O95476
Cytogenetics:	17p13.1
Protein Families:	Transmembrane
MW:	28.4 kDa
Gene Summary:	<p>Serine/threonine protein phosphatase forming with CNEP1R1 an active phosphatase complex that dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol. May antagonize BMP signaling. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>