

## Product datasheet for **SC114718**

### **DULLARD (CTDNEP1) (NM\_015343) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DULLARD (CTDNEP1) (NM_015343) Human Untagged Clone
Tag:	Tag Free
Symbol:	DULLARD
Synonyms:	DULLARD; HSA011916; NET56
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114718 sequence for NM_015343 edited (data generated by NextGen Sequencing)

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ATGATGCGGACGCAGTGTCTGCTGGGGCTGCGCACGTTCTGGCCTTCGCCGCAAGCTC
TGGAGCTTCTTACCTTCTGCGGAGGCAGATCCGCACGGTAATTCAGTACCAAAC
GTTTCGATATGATATCCTCCCTTATCTCCTGTGTCCCGGAATCGGCTAGCCCAGGTGAAG
AGGAAGATCCTGGTGCTGGATCTGGATGAGACTTATCACTCCACCATGATGGGGTC
CTGAGGCCACAGTCCGGCCTGGTACGCCTCCTGACTTCATCCTCAAGGTGGTAATAGAC
AAACATCCTGTCCGGTTTTTTGTACATAAGAGGCCCATGTGGATTTCTCCTGGAAGTG
GTGAGCCAGTGGTACGAGCTGGTGGTGTACAGCAAGCATGGAGATCTATGGCTCTGCT
GTGGCAGATAAACTGGACAATAGCAGAAGCATTCTTAAGAGGAGATATTACAGACAGCAC
TGCACTTTGGAGTTGGGAGCTACATCAAGGACCTCTCTGTGGTCCACAGTGACCTCTCC
AGCATTGTGATCCTGGATAACTCCCCAGGGCTTACAGGAGCCATCCAGACAATGCCATC
CCCATCAAATCCTGGTTCAGTGACCCCAGCGACACAGCCCTTCTCAACCTGCTCCCAATG
CTGGATGCCCTCAGGTTACCGCTGATGTTTCGTTCCGTGCTGAGCCGAAACCTTCACCAA
CATCGGCTCTGGTGA
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Clone variation with respect to NM\_015343.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015343 unedited</p> <p>TACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGATGATGCGGACGCAGTGTCTGCTGGGGCTGCGCACGTTTCGTGGCCTTCGCCGCAAGCTCTGGAGCTTCTTCATTTACCTTCTGCGGAGGCAGATCCGCACGGTAATTCAGTACCAAAGCTTTCGATATGATATCCTCCCC TTATCTCTGTGTCCCGAATCGGCTAGCCAGGTGAAGAGGAAGATCCTGGTGTGGATCTGGATGAGACACTTATCACTCCCACCATGATGGGGTCTGAGGCCACAGTCCGGCCTGGTACGCCTCCTGACTTCATCCTCAAGGTGGTAATAGACAAACATCCTGTCCGGTTTTTTGTACATAAGAGGCCCATGTGGATTTCTCCTGGAAGTGGTGAAGCCAGTGGTACGAGCTGTGGTGTTTACAGCAAGCATGGAGATCTATGGCTCTGCTGTGGCAGATAAACTGGACAATAGCAGAAGCATTCTTAAGAGGAGATATTACAGACAGCACTGCACTTTGGAGTTGGGCAGCTACATCAAGGACCTCTCTGTGGTCCACAGTGACCTCTCCAGCATTGTGATCCTGGATAAC TCCCCAGGGGCTTACAGGAGCCATCCAGACAATGCCATCCCCATCAAATCCTGGTTCAGTGACCCAGCGACACAGCCCTTCTCAACCTGCTCCCATGCTGGATGCCCTCAGGTTACCGCTGATGTTCCGTGCTGAGCCGAAACCTTCACAACATCGGCTCTGGTACAGCTGCTCCNCTCACTGATTGGGGGGAAAAAAAAAAAAAAAAAACCTTGGGGAACCCCTNTGATCCCCCTCAATGGGAAGACTGCTGGCAAGGGTTTGCCTTCCCACCTTTTTTGCCTGGGAGCCTAACTCCCTTGGGAATTTGGATGGACCATGGGCAAAGGCCTCTGAACCANCCTACCTTAACTTGGGGTCCACTCCAGA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015343 unedited</p> <p>GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTTTCAAAGTTATAATGCATGGTTTAAAAGAGAGAAAAGAAAAAGACACAAAGCTGGTTACAGGTCTGAGGGAGTCTAAGGAGAGAAAAATAGAGGGAGAGTAAAGGGGGGACAAATTTAAGGAAAAATCCAGTGGCCCAAATCCCAGTATCCCACCCACAGCCAGCCCTTGGAGCAGGAGTGAAGAATTAGATCAGTTTTGTACAAGAGTTTTTTAAAAAAAATCAAATCACAACAAAGCTGACTTGGCTTCTCTTTGAGCTCCTGGATCACCGTATGTCTGTCACTCTGGCCAGTCTGCCTCTTACAAAAACACTGATTCGGCTCTCCTAAGCTTCCGCCTGTGTCCAGTCTGGGGTTTTCCATGGAGTGTGAACACGAAGTTAAGAGTGAAGCTGCTTCCAGAGCCCTGGCCCATGTGTCCATCCAGACTCCCAAGTGAGTGTAAGGCTCCCATGGCATAATAGGGGTGGGAGGGGCATACCTGCCAGGCAGTCTCACATTGGACAGGGCATCAGACGGCATCCCAAGGGCTCGCCCTCCCTTCCCCCCCCACCCAACTCAAGTGGATGGGGGAGCAGCTGTACCATAGCCGATGTTGGTGAATGTTTTCCGGCTATCACGGAACGAACATCAGCGGTGAACCTGAAGGCATCCANCATTNNGGAGCANGNTGAAAGGGCTGTGTCCTGGGGTCACTGAACCANGATTTGATGGGGATGGCATTGTCTGGATGGCTCTGTAGCCCCCTGGGAGTTATCCCAGATCACATGCTGGAGAGTCACTGTGGACACAGAGAGTCTTGATGAACTGCCACTTCAAGTGCAGGGCTGCCTGAATATCTTTAAAAATGCTNTGCTTTGCCAGTTTTCTGCCAGANAACCATGATTTTCATGCTGCTGTAACCACAGCTGGTCACTGTAACACTTCAGAGAATCCCATGGCCTTATGACATACG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015343
<b>Insert Size:</b>	1460 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015343.3</a> , <a href="#">NP_056158.2</a>
<b>RefSeq Size:</b>	1545 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	23399
<b>UniProt ID:</b>	<a href="#">O95476</a>
<b>Cytogenetics:</b>	17p13.1
<b>Domains:</b>	CPDc
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<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 (1) represents the longer transcript.</p>