

Product datasheet for **SC108574**

PRELID3A (NM_006553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PRELID3A
Synonyms:	C18orf43; HFL-EDDG1; SLMO1
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006553, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATCTGGAGCTCGGAGCACGTGTTTGGCCACCCGTGGGACACGGTCATCCAGGCGGCCATGCGCA
AGTACCCGAACCCGATGAACCCGAGCGTGCTGGGCGTGGATGTGCTACAGCGCCGCTGGACGGCCGCGG
CCGCTGACAGCTTGCCTGCTCAGCACCAGTGGGGGCTGCCAGCCTCGTGAGAGCGATTTTGGGA
ACCACTAGGACATTGACATACATCCGAGAATTCTGTGGTGGATCCAGTGGAAGAAAGAAATGGAATTT
GTTCTACCAATATCACACTCACAATTTGGTGTGAGTTAATGAGAGTTGGTGTACACACCTCATCCAGA
GAACCCAGAAATGACCGTGCTCACACAAGAAGCCATCATCTGTGAAGGGGATTAGCCTTGGTAGTTAT
TTGGAAGTTTAAATGGCCAATACGATATCATCCAATGCAAGAAGGGGTGGGCTGCTATCGAGTGGATAA
TTGAACACTCTGAAAGCGCTGTGAGCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006553 unedited <pre> GTATACGACTCACTATAGGCGGCCGACATTCGCACGAGGGGGCCATGGCTTTCTTCTC GGCCCCCAATGCCTTTCTGGAGTGGCTAAGCCTCTCCTGACGAGGCTCCTCATGCGGGG AGAGGGCTGGGGTCCAGGGTTTCCCGGCCCTTTCTGCAGGCTGTGCCAGCCCCCTCCAG TCTGCCACTGCCGTGCCGGGGGACATCCTGCGCCAGGCTGGAGGCCCTGCCTCGCTGC TTGCCAGCCTCACCTGCTGGGGCTGGAGGCCATGGATCCCTCATAGTATCCAAGGTTTGA GTTCTGTTTTTCGCCTTATAGTTTTGTGAGTGTGAGGGACAACGACCAAAGTCTTT TCCCCACCATCTTTAAATCAAAGTTGTTTAAACAACATTAATTTTAAAAAATACATAAA AGCAACCCATGCTTATGGTTAAAAAGAGTACAGGANGTCTGGAGTCCCCTTGAAGGGT AAAGGCCTCCCGCAAGCTGCCAGTCGGCTCTTTTCGCAAAGCCTTCCCAGATTTTCT GTGCTTATGAAAGCGTATGTGTGGCCTTTCTCTCCCTCTTTTATTAACACAGATAGG TTTATGCTGGATAAACCGTTGNTGTCTGTCTTTTTTCAGCGTTTAAGCAGCGTATCTTG AGGGGNAGCTGTGCGGCGCCTGCCTCCCCAGTCCTGAGGCCANNCGGGCCTCTGNCCCGG GGGGGTGCTGGGNNGCNCTGTCCCTGCGCCGNCCTTCCGGNACGCAGCGNCTTTTGAGT GGCCATCTTGCTCCCGTACAGCTCTTGATGTCCATGGGGGAATGGTCCANAAGTCCCC TGGGGGGGTTCTGCTCTAGACGGAACAGCAACCGCGGATCTGGAACATCTTA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006553
Insert Size:	4000 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_006553.1, NP_006544.1</u>
RefSeq Size:	1731 bp
RefSeq ORF:	1731 bp
Locus ID:	10650
UniProt ID:	<u>Q96N28</u>

Cytogenetics: 18p11.21

Gene Summary: In vitro, the TRIAP1:PRELID3A complex mediates the transfer of phosphatidic acid (PA) between liposomes and probably functions as a PA transporter across the mitochondrion intermembrane space. Phosphatidic acid import is required for cardiolipin (CL) synthesis in the mitochondrial inner membrane.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) uses an alternate splice site in the 3' UTR compared to variant 1. Transcript variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no quality transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.