

Product datasheet for **SC314720**

PLAA (AL133608) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAA (AL133608) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAA
Synonyms:	DOA1; PLA2P; PLAP
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for AL133608, the custom clone sequence may differ by one or more nucleotides

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ATGACGAGCGGCGCAACCAGGTACCGGCTGAGCTGCTCGCTCCGGGGCCACGAGCTGGAC
GTACGGGGCCTGGTGTGCTGCGCCTATCCGCCGGGAGCCTTTGTGTCCGTGTCCCAGAC
CGCACCACCCGCTCTGGGCCCCAGACAGTCCAAACAGGAGCTTTACAGAAATGCACTGT
ATGAGTGGCCATTCCAATTTTGTATCTTGTGTATGCATCATACCCTCAAGTGACATCTAC
CCTCATGGCCTAATTGCCACCGGTGAAATGACCACAATATATGCATTTTCTCACTGGAC
AGTCCAATGCCACTTTATATTCTAAAAGGCCACAAAAATACTGTTTGTAGTCTATCATCT
GGAAAAATTTGGGACATTACTTAGTGTTTCATGGGACACCACTGCTAAAGTCTGGCTGAAT
GACAAGTGCATGATGACCTTGCAGGGTCATACAGCTGCAGTGTGGGCGGTAAAGATCTTA
CCTGAACAGGGCTTAATGTTGACTGGATCAGCAGACAAGACTGTTAAACTGTGGAAGGCT
GGAAGATGTGAGAGGACTTTTTAGGGCATGAAGACTGTGAAGAGGTTTGGCAATTTTG
AGTGAAACAGAATTTCTTCTGTGCAATGATGCTAGTATTAGAAGGTGGCAAATCACT
GGCGAGTGTCTTGAAGTATATTATGGACATACAAATTATTTATAGCATATCCGTTTTT
CCAAATTTAGAGACTTTGTGACAACAGCAGAGGACAGATCTCTGAGAATCTGGAACAT
GGGAATGTGCTCAAACATCCGACTTCCAGCTCAGTCTATATGGTGCTGCTGTGTGCTC
GACAATGGTGACATTGTGGTTGGTGCGAGTGATGGCATTATTAGAGTGTTTACAGAATCA
GAAGATCGAACAGCAAGTGTGAAGAAATCAAGGCTTTTGAAAAAGAACTGTCTCACGCA
ACCATTGATTCTAAAACCTGGCGATTTAGGGGACATCAATGCTGAGCAGCTTCTGGGAGG
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AAAGTCGAAGCCTATCAGTGGAGTGTTAGTGAAGGGAGGTGGATAAAATTTGGTGATGTT
GTTGGCTCATCTGGTGCTAATCAGCAAACTCTGAAAAAGTTTATATGAAGGAAAGAA
TTTGATTATGTTTTCTCAATTGATGTCAATGAAGGTGGACCATCATATAAATTGCCATAT
AATACCAGTGATGACCTTGGTTAACTGCATACAACTTCTTACAGAAGAATGATTTGAAT
CCTATGTTTCTGGATCAAGTAGCTAAATTTATTATTGATAACACAAAAGGTCAAATGTTG
GGACTTGGGAATCCCAGCTTTTTCAGATCCATTTACAGGTGGTGGTCGGTATGTTCCGGGC
TCTTCGGGATCTTCAACACACTACCCACAGCAGATCCTTTTACAGGTGCTGGTCGTTAT
GTACCAGGTTCTGCAAGTATGGGAATACCATGGCCGGAGTTGATCCATTTACAGGGAAT
AGTGCCTACCGATCAGCTGCATCTAAAACAATGAATATTTATTTCCCTAAAAAGAGGCT
GTCACATTTGACCAAGCAAAACCTACACAAATATTAGTAACTGAAGGAACCTAATGGA
ACTGCACCTGAAGAGAAGAAGTTAACTGAGGATGACTTGATACTTCTTGAGAAGATACTG
TCTCTAATATGTAAATAGTTCTTCAGAAAAACCCACAGTCCAGCAACTTCAGATTTTGTGG
AAAGCTATTAACCTGCTCTGAAGATATTGTCTTCTGCACTTGACATTCTTCGGTTGTCA
ATTAAACACCCAGTGTGAATGAGAATTCTGCAATGAAAAGGAAGGGGCTCAGTTCAGC
AGTCATCTTATCAATCTTCTGAACCTAAAGGAAAGCCAGCAACCAGCTGCTTGCTCTC
AGGACTTTTGAATTTGTTTGTGGCCAGGCAGGACAAAACTCATGATGTCCCAGAGG
GAATCACTGATGTCCCATGCAATAGAACTGAAATCAGGGAGCAATAAGAACATTCACATT
GCTCTGGCTACATTGGCCCTGAATATTCTGTTTGTTCATAAAGACCATAACATTGAA
GGGAAAGCCCAATGTTTGTCACTAATTAGCACAATCTTGAAGTAGTACAAGACCTAGAA
GCCACTTTTAGACTTCTTGTGGCTCTTGAACACTTATCAGTGATGATTCAAATGCTGTA
CAATTAGCCAAGTCTTAGGTGTTGATTCTCAAATAAAAAAGTATTCTCAGTATCAGAA
CCAGCTAAAGTAAGTGAATGCTGTAGATTATCCTAAATTTGCTG

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Restriction Sites: Please inquire

ACCN: AL133608

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:	AL133608.1 , CAB63739.1
RefSeq Size:	3030 bp
RefSeq ORF:	3030 bp
Locus ID:	9373
Cytogenetics:	9p21.2
Domains:	WD40
Gene Summary:	Plays a role in protein ubiquitination, sorting and degradation through its association with VCP (PubMed:27753622). Involved in ubiquitin-mediated membrane proteins trafficking to late endosomes in an ESCRT-dependent manner, and hence plays a role in synaptic vesicle recycling (By similarity). May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622). Plays a role in cerebellar Purkinje cell development (By similarity). Positively regulates cytosolic and calcium-independent phospholipase A2 activities in a tumor necrosis factor alpha (TNF-alpha)- or lipopolysaccharide (LPS)-dependent manner, and hence prostaglandin E2 biosynthesis (PubMed:18291623, PubMed:28007986).[UniProtKB/Swiss-Prot Function]