

## Product datasheet for **SC206556**

### Phospholipase A2 (PLA2G4A) (NM\_024420) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Phospholipase A2 (PLA2G4A) (NM\_024420) Human 3' UTR Clone  
**Symbol:** Phospholipase A2  
**Synonyms:** cPLA2; cPLA2-alpha; GURDP; PLA2G4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_024420  
**Insert Size:** 503 bp  
**Insert Sequence:** >SC206556 3'UTR clone of NM\_024420  
The sequence shown below is from the reference sequence of NM\_024420. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGAGTTTCTAAGTAAACCCAAAGCATAGTTCATGTACTGGAAATGGCAGCAGTTTCTGATGCTGAGG
CAGTTTGCAATCCCATGACAACCTGGATTTAAAAGTACAGTACAGATAGTCGACTGATCATGAGAGACT
GGCTGATACTCAAAGTTGCAGTTACTTAGCTGCATGAGAATAACTATTATAAGTTAGGTTGACAAAT
GATGTTGATTATGTAAGGATATACTTAGCTACATTTTCAGTCAGTATGAACCTCCTGATACAAATGTAG
GGATATATACTGTATTTTTAAACATTTCTACCAACTTTCTTATGTGTGTTCTTTTTAAAAATTTTTTT
TCTTTTAAAAATATTTAACAGTTCAATCTCAATAAGACCTCGCATTATGTATGAATGTTATTTCACTGACT
AGATTTATTACATACCATGAGACAACACTATTTTTATTTATATATGCATATATATACATACATGAAATAA
ATACATCAATATAAAAAATAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_024420.3</a></u>
<b>Summary:</b>	This gene encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones that regulate hemodynamics, inflammatory responses, and other intracellular pathways. The hydrolysis reaction also produces lysophospholipids that are converted into platelet-activating factor. The enzyme is activated by increased intracellular Ca(2+) levels and phosphorylation, resulting in its translocation from the cytosol and nucleus to perinuclear membrane vesicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
<b>Locus ID:</b>	5321
<b>MW:</b>	20.7