

Product datasheet for **RG230897**

PLA2R (PLA2R1) (NM_001195641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLA2R (PLA2R1) (NM_001195641) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLA2R1
Synonyms:	CLEC13C; PLA2-R; PLA2G1R; PLA2IR; PLA2R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230897 representing NM_001195641 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCTGTCGCGCTCGCTGCTGCTGCTGCTGCTGCTGGGGCGCCGCGGGCTGCGCCGAGGGTGTGG
CGGCGCGCTTACCCCGAGCGGCTCCTGGAGTGGCAGGATAAAGGAATATTTGTTATCCAAAGTGAGAG
TCTCAAGAAATGCATTCAAGCAGGTAATCGGTTCTGACCCTGGAGAAGTCAAGCAAGCAAACAAGCAC
ATGCTGTGAAAATGGGTTTCAAACCATGGCCTCTTAAACATAGGAGGCAGCGGTTGCCTGGGCTGAATT
TCTCCGCCCGAGAGCAGCCATTAAGCTTATATGAATGTGACTCCACCCTCGTTTCCTTACGGTGGCGCTG
TAACAGGAAGATGATCACAGGCCGCTGCAGTACTCTGTCCAGGTGGCGCATGACAACACAGTGGTGCC
TCACGGAAGTATATTCATAAGTGGATTTCTTATGGGTCAGGTGGTGGAGACATTTGTGAATATCTACACA
AAGATTTGCATACAATCAAAGGGAACCCACGGGATGCCGTGTATGTTCCCTCCAGTATAACCATCA
GTGGCATCATGAATGTACCCGTGAAGGTCGGGAAGATGACTTACTGTGGTGTGCCACGACAAGCCGTTAT
GAAAGAGATGAAAAGTGGGATTTTGCCTGATCCACCTCTGCAGAAGTAGGTTGTGATACTATTTGGG
AGAAGGACCTCAATTCACACATTTGCTACCAGTTCAACCTGCTTTCATCTCTCTTGGAGTGAGGCACA
TTCTTCATGCCAGATGCAAGGAGGTACGCTGTTAAGTATTACAGATGAACTGAAGAAAATTTTCATAAGG
GAGCACATGAGCAGTAAAACAGTGGAGGTGGATGGGCTCAATCAGCTGGATGAACACGCTGGCTGGC
AGTGGTCTGATGGAACGCGCTCAACTATCTGAATTGGAGCCAGAGGTAATTTTGGCCATTTGTTGA
AGATCACTGTGGAACATTTAGTTCATTTATGCCAAGTGCCTGGAGGAGTGGGATTTGTGAGTCCACCTTG
CCATATATATGTAATAAATATCTAAACCACATTGATCATGAAATAGTTGAAAAAGATGCGTGAAATATT
ATGCTACCCACTGTGAGCCTGGCTGGAATCCCTACAATCGTAATTGCTACAACTTCAGAAAAGAAGAAA
GACCTGGCATGAGGCTCTGCGTCTTGTGAGGCTGATAACAGTGCATTAATAGACATAACCTCATTAGCA
GAGGTGGAGTTTCTTGAACCTCCTTGGAGATGAAAATGCATCAGAAACATGGATTGGTTTGGAGCAGCA
ATAAAATCCAGTTTCTTTGAATGGTCTAATGACTCTTCAGTCATCTTACTAATTGGCACACACTTGA
GCCCCACATTTTCCAAATAGAAGCCAGCTGTGTCTCAGCAGAGCAGTCTGAGGGACTGAAAAGTC



[View online >](#)

AAAAATTGTGAAGAAAGACTTTTTACATTTGTA AAAAAGCAGGCCATGTCCTCTGATGCTGAATCAG
GATGTCAAGAGGGATGGGAGAGACATGGTGGATTCTGTTACAAAATTGACACAGTCTTCGAAGCTTTGA
CCAAGCTTCCAGCGGTTATTACTGTCTCTGCACTTGTAAACCATTACAAACAGGTTTGAACAGGCTTTT
ATTACCAGTTTGATCAGTAGTGTGGTAAAAATGAAGGACAGTTATTTTTGGTAGCTCTTCAGGACCAAA
ATGATACGGGAGAATACACTTGAAGCCAGTAGGGCAGAAACCCGAGCCGGTGCAGTACACACACTGGAA
CACACACCAGCCCGCTACAGTGGTGGCTGTGTGCCATGCGAGGAAGGCATCCACTTGGTCGCTGGGAA
GTGAAGCACTGTGCGCACTTAAAGGCAATGTCCTTGTGCAAGCAGCCAGTTGAAAAATCAGGAAAAAGCAG
AGTATGAAGAGAGATGGCCCTTTCACCCCTGCTATTTGGACTGGGAGTCAGAGCCTGGTCTGGCCAGTTG
CTTCAAGGATTTTCATAGTGA AAAAGTTCTGATGAAAAGAACATGGAGAGAAGCTGAAGCATTGTCGAA
GAATTTGGAGCTCATCTTGAAGCTTTGCCATATTGAGGAAGAGAATTTGTGAATGAGCTCTTACATT
CAAAATTAATTGGACAGAAAGAAAGGCAGTTCTGGATTGGATTTAATAAAAGAAACCCACTGAATGCCGG
CTCATGGGAGTGGTCTGATAGA ACTCCTGTTGTCTCTTCGTTTTAGACAACACTATTTTGGAGAAGAT
GCAAGAACTGTGCTGTTATAAGGCAACAAAACATTGCTGCCCTTACTGTGGTTCCAAACGTGAAT
GGATATGCAAAAATCCCAAGAGATGTGAAACCAAGATTCCGTTCTGGTACCAGTACGATGTACCCTGGCT
CTTTTATCAGGATGCAGAATACCTTTTTCATACCTTTGCCTCAGAATGGTTGA ACTTTGAGTTTGTCTGT
AGCTGGCTGCACAGTGTCTTCTACAATTCATTCTGCACATGAGCAAGAATTATCCACAGCAAAATAA
AAGCGCTATCAAAGTATGGTGAAGTTGGTGGATTGGACTTCAAGAAGAAAGAGCCAATGATGAATTTG
CTGGAGAGATGGAACACCAGTGTATACCAGA ACTGGGACACAGGAAGAGAAAGAACTGTGAATAATCAG
AGCCAGAGATGTGGCTTTATTTCTTCTATAACAGGACTCTGGGAGTGAAGAGTGTTCAGTTTCTATGC
CTAGTATCTGTAAGCGAAAAAGTTTGGCTCATAGAGAAAAAGAAAGATACACCAAAAACAACATGGAAC
GTGTCCCAAAGGATGGCTATATTTAACTATAAGTGCCTTCTGCTGAATATCCCAAGACCCAAGCAGT
TGGAAAGAACTGGACGCATGCTCAACATTTCTGTGCTGAAGAAGGGGGACCCTGGTCGCCATTGAAAGT
AGGTGGAGCAAGCTTTCATTACTATGAATCTTTTGGCCAGACCACAGTGTGTGGATAGGTTTACAAAA
TGATGATTATGAAACATGGCTAAATGGAAGCCTGTGGTATATTCTA ACTGGTCTCCATTTGATATAATA
AATATTCCAAGTCACAATACCACTGAAGTTCAGAAAACACATTCCTCTCTGTGCCTTACTCTCAAGTAATC
CTAATTTTCATTTCACTGAAAAATGGTATTTTGAAGACTGTGGAAGGAAGGCTATGGGTTTGTGTTGTA
AAAAATGCAAGATACTTCTGGACACGGTGTAAATACATCTGATATGTATCCAATGCCCAATACCTTAGAA
TATGGAACAGAACTTACAAAATAATTAATGCAAAATAGACTTGGTATGCAGCAATAAAAACCTGCCTGA
TGCACAAAGCACA ACTGGTCAGCATCACAGACCAGTATCACCAGTCTTCTCTCACTGTTGCCTCAACCG
GCTAGGATATGCCACTGGATTGGACTGTTCAACACAGATAATGGTCTTAATTTTACTGGTCTGATGGC
ACCAAATCTTCTTCACTTTTTGGAAGATGAGGAGTCTCCCTCCTTGGTACTGCGTTTTTGGCCGACA
GCAACGGACGCTGGCATAGCACAGCCTGCGAGTCA TTTCTGCAAGGTGCCATTTGTGATGTGCCACTGA
AAACAAGACAATCTGAACACCCAGAGTTGTGCTCAGAAAACATCTATTCCCTGGATAAAAATTTAAAAGTAAT
TGCTACAGTTTTTCTACAGTCTAGACAGTATGAGTTTTGAGGCTGCTCATGAATTTTGC AAAAAGGAAG
GTTCTAATCTTTTAACAATCAAGGATGAGGCTGAAAATGCATTTCTCCTAGAAGAGCTGTTTGTCTTTGG
TTCTTCTGTCCAGATGGTTTGGTTGAATGCTCAATTTGATGGTAACAATGAAACCATAAAGTGGTTTGTGAT
GGAACCTCCACAGACCAGTCAA ACTGGGCACTTCGGAAGCCAGACACAGACTACTTCAAGCCCCATCATT
GTGTTGCCCTTGAAGATCCCTGAAGGATTATGGCAGCTATCCCGTGTCAAGAAAAAAAAGGCTTTATATG
TAAAATGGAGGCAGATATTCACACTGCAGAGCCGCTGCCAGAAAAAGGACCAAGTCACAGCATCATTCTCT
CTTGCGGTTGTA CTGACACTGATAGTCATTGTGGCCATTTGCACACTTTCTTCTGATATACAAGCATA
ACGGTGGCTTCTCAGGAGACTGCAGGTTTTCGGAATCCTTACTATCCTGCAACCAACTTTAGTACAGT
ATATTTAGAAGAAAATATTCTCATTTCTGATCTTGAGAAGAGTGACCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230897 representing NM_001195641
 Red=Cloning site Green=Tags(s)

```

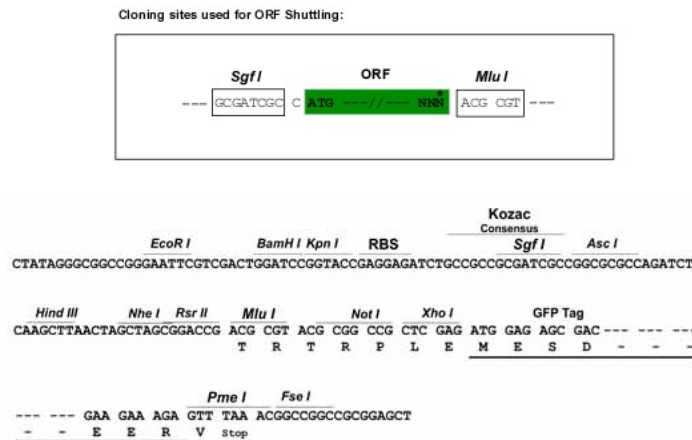
MLLSPSLLLLLLGAPRGAEGVAAALTPERLLEWQDKGIFVIQSESLKKCIQAGKSVLTLENCKQANKH
MLWKWVSNHGLFNI GGSGCLGLNFSAPEQPLSLYECDSLVLVSLRWRNCRKMITGPLQYSVQVAHDNTVVA
SRKYIHKWISYSGGGDICEYLHKDLHTIKGNTHGMPCMFPFYQYNHQWHHECTREGREDDLLWCATTSTRY
ERDEKWGFCPDP TSAEVGCDTIWEKDLNSHICYQFNLLSSLWSEAHSSCQMGGTLLSITDETEENFIR
EHMSKTVVEVMGLNQLDEHAGWQWSDGTPNLNLSPEVNFEPFVEDHCGTFSSFMPSAWRSRDCESTL
PYICKYLNHIDHEIVEKDAWKYYATHCEPGWNPYNRNCYKQLQKEEKTWHEALRSCQADNSALIDITSLA
EVEFLVTL LGDENASETWIGLSSNKIPVSFEWSDSSVIFTNWHTLEPHIFPNRSQLCVSAEQSEGHWKV
KNCEERLFYICKKAGHVLSDAESGCQEGWERHGGFCYKIDTVLRSFDQASSGYCPPALVITNRFEQAF
ITSLISSVVKMDSYFWIALQDQNDTGEYTWKPVGQKPEPVQYTHWNTHQPRYSGGCVAMRGRHPLGRWE
VKHCRHFKAMSLCKQPVENQEKAEYEERWPFHPCYLDWESEPLASCYKVFHSEKVL MKRTWREAEAFCE
EFGAHLASFAHIEEENFNELLHSHFNWTEERQFWIGFNKRNLNAGSWEWSDRTPVSSFLDNTYFGE
ARNCVAVKANKTLLPLHCGSKREWICKIPRDV KPIPFWYQYDVPWLFYQDAEYLFHTFASEWLNFEFVC
SWLHSDLLTIHSAHEQEFIHSKIKALSKYGASWWIGLQEERANDEFWRDGTPIVYQNWDTGRERTVNNQ
SQRCGFISSITGLWGSEECVSMPISICKRKKVWLEIEKKDTPKQHGTCPKGWL YFNKCLLLNIPKDPSS
WKNWTHAQHFCAEEGGTLVAIESEVEQAFITMNLFGQTTSVWIGLQNDYETWLNKGPVVYSNWSPFDII
NIPSHNTTEVQKHIPLCALLSSNPNFHFTGKWYFEDCGKEGYGFVCEKMQDTSGHGVNTSDMYMPMNTLE
YGNRTYKIIANMTWYAAIKTCLMHKAQLVSITDQYHQSFLLTVVLNRLGYAHWIGLFTTDNGLNFDWSDG
TKSSFTFWKDEESSLLGDCVFA DSNRWHSTACESFLQGAICHVPPETRQSEHPELCESETIPWIKFKSN
CYSFSTVLD SMSFEAAHEFCCKEGSNLLTIKDEAENAFLEELFAFGSSVQMVLNAQFDGNNETIKWFD
GTPTDQSNWGI RKPDDYFKPHHCVALRIPEGLWQLSPCQEKKGFI CKMEADIHTAEALPEKGPSHSIIP
LAVVLT LIVIVAICTLSFCIYKHNGGFFRRLAGFRNPYYPATNFSTVYLEENILISDLEKSDQ
    
```

TRTRPLE - GFP Tag - V

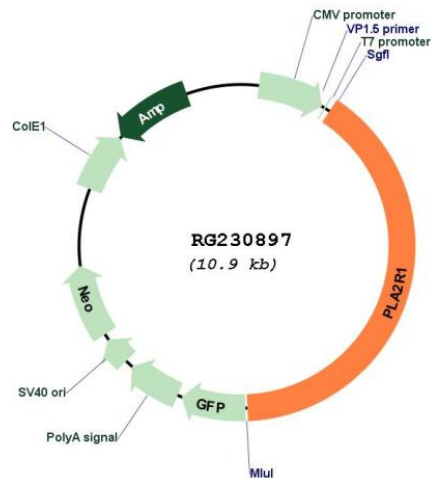
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001195641

ORF Size: 4383 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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:	<u>NM_001195641.1, NP_001182570.1</u>
RefSeq Size:	5627 bp
RefSeq ORF:	4386 bp
Locus ID:	22925
UniProt ID:	<u>Q13018</u>
Cytogenetics:	2q24.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene represents a phospholipase A2 receptor. The encoded protein likely exists as both a transmembrane form and a soluble form. The transmembrane receptor may play a role in clearance of phospholipase A2, thereby inhibiting its action. Polymorphisms at this locus have been associated with susceptibility to idiopathic membranous nephropathy. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Sep 2010]