

Product datasheet for **RC202801**

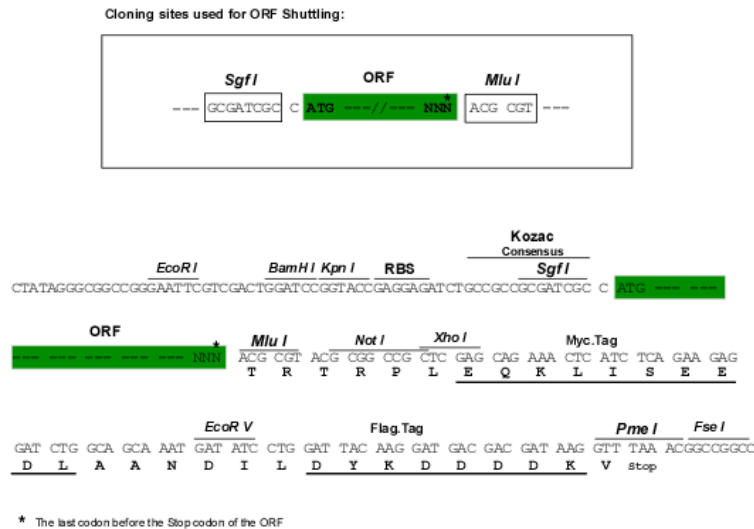
PLGLB1 (NM_001032392) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PLGLB1
Synonyms:	PLGL; PLGP1; PRGB; PRP-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202801 representing NM_001032392 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC ATGGAACATAAGGAAGTGGTCTTCTACTTCTTTTATTCTGAAATCAGGTCAAGGAGAGCCCCTGGATGACTATGTGAATACCCAGGGGCCTTCACTGTTCACTGTCAGTGTCACTAAGAAGCAGCTGGGGCAGGAAGCAGAGAAGATGTGCAGCAAAATGTGAAGAGGACAAAGAATTCACCTGCAGGGCATTCCAATATCACAGTAAAGAGCAACAATGTGTGATAATGGCTGAAAACAGGAAGTCCTCCATAATCATTAGGATGAGAGATGCAGTTTTATTGAAAAG ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC202801 representing NM_001032392 Red=Cloning site Green=Tags(s) MEHKEVLLLLLLFLKSGQGEPLDDYVNTQGPSLFSVTKKQLGAGSREECAAKCEEDKEFTCRAFQYHSKEQQCVIMAENRKSSIIIRMDAVLF EK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk8112_e02.zip
Restriction Sites:	SgfI-MluI


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Cloning Scheme:



ACCN: NM_001032392

ORF Size: 288 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:

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.

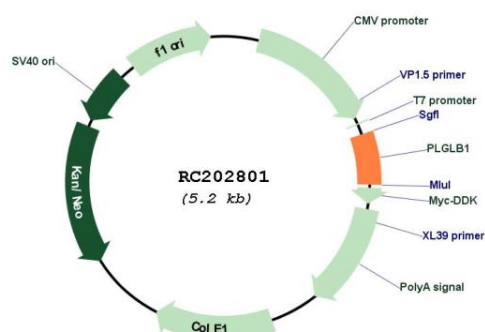
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001032392.4](#)

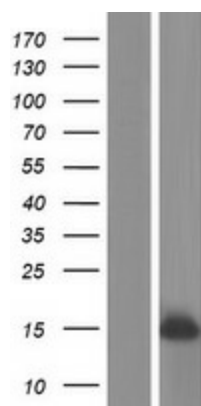
RefSeq Size: 3011 bp

RefSeq ORF:	291 bp
Locus ID:	5343
UniProt ID:	Q02325
Cytogenetics:	2p11.2
MW:	10.8 kDa
Gene Summary:	May bind noncovalently to lysine binding sites present in the kringle structures of plasminogen. This may interfere with the binding of fibrin or alpha-2-antiplasmin to plasminogen and may result in the localization of activity at sites necessary for extracellular matrix destruction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC202801



Western blot validation of overexpression lysate (Cat# [LY422324]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202801 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).