

Product datasheet for RC210905

PLA2G12B (NM_032562) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLA2G12B (NM_032562) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PLA2G12B
Synonyms: FKSG71; GXIIB; GXIIBsPLA2; PLA2G13; sPLA2-GXIIB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210905 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTGGCCAGTGGCTTCTTGGTTTTGTGGCTCAGCCTTGGGGTGGCCTGGCTCAGAGCGACACGA
 GCCCTGACACGGAGGAGTCTATTCAGACTGGGCCTTCGGCACCTCCGGGAAGCTTTGAATCCGTCAA
 TAGCTACTTCGATTCTTTCTGGAGCTGCTGGGAGGGAAGAATGGAGTCTGTCAGTACAGGTCCGATAT
 GAAAGGCACCAATGCCAGACCTGGCTACAAGCCCCAAGAGCCCAATGGCTGCGGCTCCTATTTCTGG
 GTCTCAAGGTACCAGAAAGTATGGACTTGGCATTCCAGCAATGACAAAGTCTGCAACCAGCTGGATGT
 CTGTTATGACACTTGCCTGCAACAAATATCGCTGTGATGCAAAATCCGATGGTGTCTCCACTCGATC
 TGCTCTGACCTTAAGCGGAGTCTGGGCTTTGTCTCCAAAGTGGAAAGCAGCCTGTGATTCCCTGGTTGACA
 CTGTGTTCAACACCGTGTGGACCTTGGGCTGCCGCCCTTTATGAATAGTCAGCGGGCAGCTTGCATCTG
 TGCAGAGGAGGAGAAGGAAGAGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210905 protein sequence
 Red=Cloning site Green=Tags(s)

MKLASGFLVWLVLGGGLAQSDTSPDTEESYSDWGLRHLRGSFESVNSYFDSFLELLGGKNGVCQYRCRY
 GKAPMPRPYKPEPNCGSYFLGLKVPESMDLIPAMTKCCNQLDVYDTCGANKYRCDKFRWCLHSI
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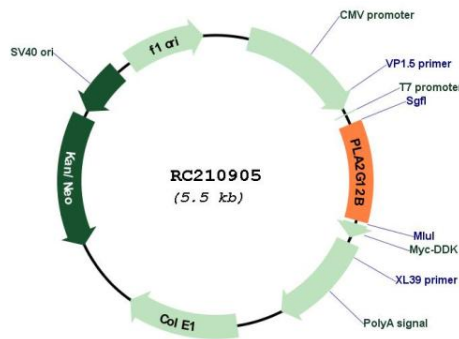
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



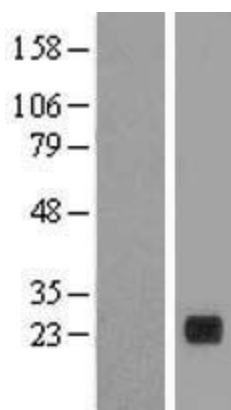
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UniProt ID: [Q9BX93](#)
Cytogenetics: 10q22.1
Protein Families: Secreted Protein
Protein Pathways: alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc epsilon RI signaling pathway, Glycerophospholipid metabolism, GnRH signaling pathway, Linoleic acid metabolism, Long-term depression, MAPK signaling pathway, Metabolic pathways, Vascular smooth muscle contraction, VEGF signaling pathway
MW: 21.7 kDa
Gene Summary: The protein encoded by this gene belongs to the phospholipase A2 (PLA2) group of enzymes, which function in glycolipid hydrolysis with the release of free fatty acids and lysophospholipids. This family member has altered phospholipid-binding properties and is catalytically inactive. The protein is secreted, and together with microsomal triglyceride transfer protein, it functions to regulate HNF4alpha-induced hepatitis C virus infectivity. The expression of this gene is down-regulated in various tumors, suggesting that it may function as a negative regulator of tumor progression. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]

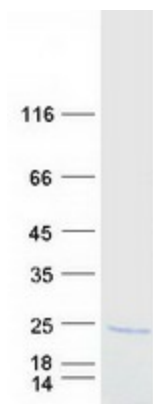
Product images:



Circular map for RC210905



Western blot validation of overexpression lysate (Cat# [LY409997]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210905 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PLA2G12B protein (Cat# [TP310905]). The protein was produced from HEK293T cells transfected with PLA2G12B cDNA clone (Cat# RC210905) using MegaTran 2.0 (Cat# [TT210002]).