

Product datasheet for KN207546LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Calcium independent Phospholipase A2 (PLA2G6) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: Calcium independent Phospholipase A2

Locus ID: 8398

Components: KN207546G1, Calcium independent Phospholipase A2 gRNA vector 1 in pCas-Guide CRISPR

vector (GE100002)

KN207546G2, Calcium independent Phospholipase A2 gRNA vector 2 in pCas-Guide CRISPR

vector (GE100002)

KN207546LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: NM 001004426, NM 001199562, NM 003560, NM 001349864, NM 001349865,

NM 001349866, NM 001349867, NM 001349868, NM 001349869

UniProt ID: <u>060733</u>

Synonyms: Cal-PLA2; GVI; INAD1; iPLA2; IPLA2-VIA; iPLA2beta; NBIA2; NBIA2A; NBIA2B; PARK14; PLA2;

PNPLA9

Summary: The protein encoded by this gene is an A2 phospholipase, a class of enzyme that catalyzes

the release of fatty acids from phospholipids. The encoded protein may play a role in phospholipid remodelling, arachidonic acid release, leukotriene and prostaglandin synthesis, fas-mediated apoptosis, and transmembrane ion flux in glucose-stimulated B-cells. Several transcript variants encoding multiple isoforms have been described, but the full-length nature

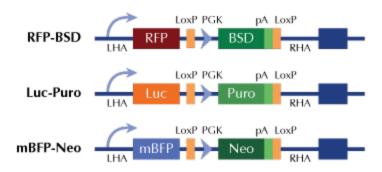
of only three of them have been determined to date. [provided by RefSeq, Dec 2010]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter