

Product datasheet for **KN207546**

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

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Calcium independent Phospholipase A2
Locus ID:	8398
Components:	<p>KN207546G1, Calcium independent Phospholipase A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACTGAAGGTATTGACCAGG</p> <p>KN207546G2, Calcium independent Phospholipase A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAATGGGTTAGAGAACAAGT</p> <p>KN207546D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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:

[O60733](#)

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:

