

Product datasheet for **KN208614**

GPAT4 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:	GPAT4
Locus ID:	137964
Components:	<p>KN208614G1, GPAT4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTAGAGTTTGCGGATACCAA</p> <p>KN208614G2, GPAT4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TAGCCTGATTGTCAACCTTC</p> <p>KN208614D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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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_178819](#), [NM_001363197](#), [NM_001363198](#)

UniProt ID:

[Q86UL3](#)

Synonyms:

1-AGPAT 6; AGPAT6; LPAAT-zeta; LPAATZ; TSARG7

Summary:

Lysophosphatidic acid acyltransferases (EC 2.3.1.51) catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA). LPA and PA are involved in signal transduction and lipid biosynthesis.[supplied by OMIM, Apr 2004]

Product images:

