

Product datasheet for **KN313675BN**

Pparg Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Pparg
Locus ID:	19016
Components:	<p>KN313675G1, Pparg gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN313675G2, Pparg gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN313675BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_001127330 , NM_011146
UniProt ID:	P37238
Synonyms:	Nr1c3; PPAR-gamma; PPAR-gamma2; PPARGgamma; PPARGgamma2
Summary:	<p>This gene encodes a nuclear receptor protein belonging to the peroxisome proliferator-activated receptor (Ppar) family. The encoded protein is a ligand-activated transcription factor that is involved in the regulation of adipocyte differentiation and glucose homeostasis. The encoded protein forms a heterodimer with retinoid X receptors and binds to DNA motifs termed "peroxisome proliferator response elements" to either activate or inhibit gene expression. Mice lacking the encoded protein die at an embryonic stage due to severe defects in placental vascularization. When the embryos lacking this gene are supplemented with healthy placentas, the mutants survive to term, but succumb to lipodystrophy and multiple hemorrhages. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]</p>



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Product images:

