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Product datasheet for KN201855RB

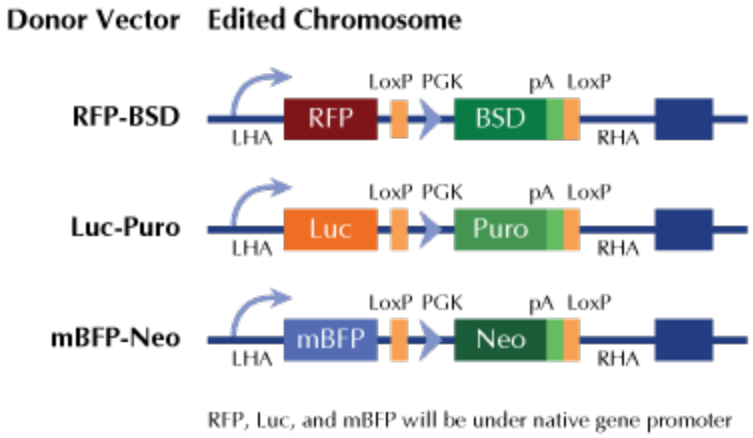
PKM2 (PKM) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	PKM2
Locus ID:	5315
Components:	**KN201855G1**, PKM2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN201855G2**, PKM2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN201855RBD**, donor DNA containing left and right homologous arms and RFP-BSD 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_001206796, NM_001206797, NM_001206798, NM_001206799, NM_001316318, NM_002654, NM_182470, NM_182471
UniProt ID:	P14618
Synonyms:	CTHBP; HEL-S-30; OIP3; PK3; PKM2; TCB; THBP1
Summary:	This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported. [provided by RefSeq, May 2011]

View online »

Product images:



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