

Product datasheet for KN201855LP

PKM2 (PKM) 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 PKM2 Symbol: Locus ID: 5315 KN201855G1, PKM2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components:** KN201855G2, PKM2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN201855LPD, 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 001206796, NM 001206797, NM 001206798, NM 001206799, NM 001316318, NM 002654, NM 182470, NM 182471 <u>P14618</u> **UniProt ID:** CTHBP; HEL-S-30; OIP3; PK3; PKM2; TCB; THBP1 Synonyms: 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]

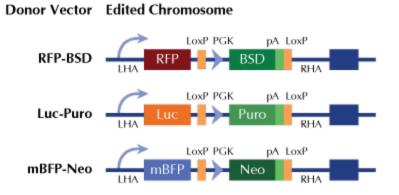


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Product images:



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

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