

Product datasheet for KN200626LP

OriGene Technologies, Inc.

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Pirin (PIR) 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

Symbol: Pirin Locus ID: 8544

Components: KN200626G1, Pirin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200626G2, Pirin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200626LPD, 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: <u>NM 001018109</u>, <u>NM 003662</u>

UniProt ID: 000625

Synonyms: OTTHUMP00000022961; OTTHUMP00000022962; pirin; pirin (iron-binding nuclear protein)

Summary: This gene encodes a member of the cupin superfamily. The encoded protein is an Fe(II)-

containing nuclear protein expressed in all tissues of the body and concentrated within dotlike subnuclear structures. Interactions with nuclear factor I/CCAAT box transcription factor as well as B cell lymphoma 3-encoded oncoprotein suggest the encoded protein may act as a

transcriptional cofactor and be involved in the regulation of DNA transcription and replication. Alternatively spliced transcript variants have been described. [provided by

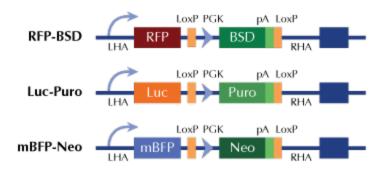
RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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