

Product datasheet for **KN204694BN**

PAH Human 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:	PAH
Locus ID:	5053
Components:	<p>KN204694G1, PAH gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN204694G2, PAH gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN204694BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u>NM_000277</u> , <u>NM_001354304</u>
UniProt ID:	<u>P00439</u>
Synonyms:	PH; PKU; PKU1
Summary:	This gene encodes a member of the bipterin-dependent aromatic amino acid hydroxylase protein family. The encoded phenylalanine hydroxylase enzyme hydroxylates phenylalanine to tyrosine and is the rate-limiting step in phenylalanine catabolism. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria. [provided by RefSeq, Aug 2017]



[View online »](#)

Product images:

