

Product datasheet for KN201729BN

PGD 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

PGD Symbol: 5226 Locus ID:

KN201729G1, PGD gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN201729G2, PGD gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201729BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001304451, NM 001304452, NM 002631

UniProt ID: P52209 Synonyms: 6PGD

Summary: 6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate

> shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-

phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies. Several transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Jan 2015]



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Product images:

Donor Vector Edited Chromosome



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