

## Product datasheet for **KN203330BN**

### Peroxiredoxin 4 (PRDX4) 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:	Peroxiredoxin 4
Locus ID:	10549
Components:	<b>KN203330G1</b> , Peroxiredoxin 4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN203330G2</b> , Peroxiredoxin 4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN203330BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_006406</a>
UniProt ID:	<a href="#">Q13162</a>
Synonyms:	AOE37-2; AOE372; HEL-S-97n; PRX-4
Summary:	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq, Jul 2008]



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## Product images:

