

## Product datasheet for **KN205072BN**

### Peroxiredoxin 1 (PRDX1) 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 1
Locus ID:	5052
Components:	<b>KN205072G1</b> , Peroxiredoxin 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN205072G2</b> , Peroxiredoxin 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN205072BND</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_001202431</a> , <a href="#">NM_002574</a> , <a href="#">NM_181696</a> , <a href="#">NM_181697</a>
UniProt ID:	<a href="#">Q06830</a>
Synonyms:	MSP23; NKEF-A; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2
Summary:	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011]



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Product images:

