

Product datasheet for **KN205220RB**

DUSP1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	DUSP1
Locus ID:	1843
Components:	<p>KN205220G1, DUSP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN205220G2, DUSP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN205220RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u>NM_004417</u>
UniProt ID:	<u>P28562</u>
Synonyms:	CL100; HVH1; MKP-1; MKP1; PTPN10
Summary:	<p>The protein encoded by this gene is a phosphatase with dual specificity for tyrosine and threonine. The encoded protein can dephosphorylate MAP kinase MAPK1/ERK2, which results in its involvement in several cellular processes. This protein appears to play an important role in the human cellular response to environmental stress as well as in the negative regulation of cellular proliferation. Finally, the encoded protein can make some solid tumors resistant to both chemotherapy and radiotherapy, making it a target for cancer therapy. [provided by RefSeq, Aug 2017]</p>



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Product images:

