

Product datasheet for **KN200278RB**

S100A1 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:	S100A1
Locus ID:	6271
Components:	<p>KN200278G1, S100A1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200278G2, S100A1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200278RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_006271
UniProt ID:	P23297
Synonyms:	S100; S100-alpha; S100A
Summary:	<p>The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca²⁺-induced Ca²⁺ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by RefSeq, Jul 2008]</p>



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Product images:

