

## Product datasheet for **KN205213RB**

### Monocarboxylic acid transporter 1 (SLC16A1) 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:	Monocarboxylic acid transporter 1
Locus ID:	6566
Components:	<b>KN205213G1</b> , Monocarboxylic acid transporter 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN205213G2</b> , Monocarboxylic acid transporter 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN205213RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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:** [NM\\_001166496](#), [NM\\_003051](#)

**UniProt ID:** [P53985](#)

**Synonyms:** HHF7; MCT; MCT1; MCT1D

**Summary:** The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2009]



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Product images:

