

## Product datasheet for **KN203179RB**

### CD38 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:	CD38
Locus ID:	952
Components:	<p><b>KN203179G1</b>, CD38 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN203179G2</b>, CD38 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN203179RBD</b>, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u><a href="#">NM_001775</a></u> , <u><a href="#">NR_132660</a></u>
UniProt ID:	<u><a href="#">P28907</a></u>
Synonyms:	ADPRC 1; T10
Summary:	<p>The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p>



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## Product images:

