

## Product datasheet for **KN205384RB**

### CD46 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:	CD46
Locus ID:	4179
Components:	<p><b>KN205384G1</b>, CD46 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN205384G2</b>, CD46 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN205384RBD</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:	<a href="#">NM_002389</a> , <a href="#">NM_153826</a> , <a href="#">NM_172350</a> , <a href="#">NM_172351</a> , <a href="#">NM_172352</a> , <a href="#">NM_172353</a> , <a href="#">NM_172354</a> , <a href="#">NM_172355</a> , <a href="#">NM_172356</a> , <a href="#">NM_172357</a> , <a href="#">NM_172358</a> , <a href="#">NM_172359</a> , <a href="#">NM_172360</a> , <a href="#">NM_172361</a>
UniProt ID:	<a href="#">P15529</a>
Synonyms:	AHUS2; MCP; MIC10; TLX; TRA2.10
Summary:	<p>The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic <i>Neisseria</i>. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jun 2010]</p>



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## Product images:

