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Product datasheet for KN205384BN

CD46 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	CD46
Locus ID:	4179
Components:	**KN205384G1**, CD46 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN205384G2**, CD46 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN205384BND**, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. **GE100003**, 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_002389, NM_153826, NM_172350, NM_172351, NM_172352, NM_172353, NM_172354, NM_172355, NM_172356, NM_172357, NM_172358, NM_172359, NM_172360, NM_172361
UniProt ID:	P15529
Synonyms:	AHUS2; MCP; MIC10; TLX; TRA2.10
Summary:	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 Neisseria. 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]

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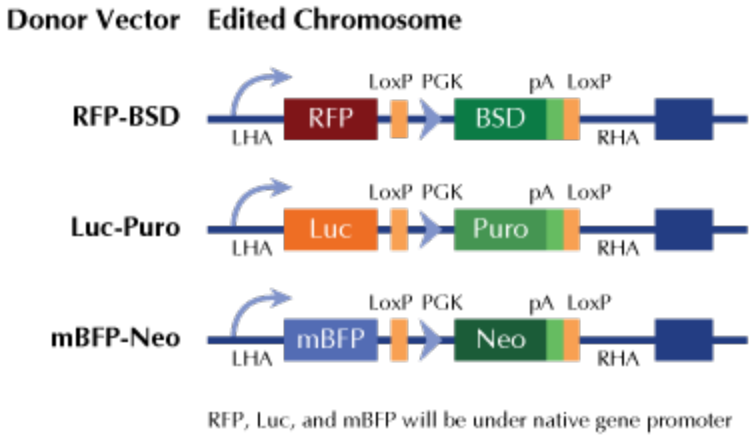
Product images:



RFP, Luc, and mBFP will be under native gene promoter