

Product datasheet for KN200718RB

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CD98 (SLC3A2) 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 CD98
Locus ID: 6520

Components: KN200718G1, CD98 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200718G2, CD98 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200718RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001012661, NM 001012662, NM 001012663, NM 001012664, NM 001013251,

NM 002394, NR 037193

UniProt ID: P08195

Synonyms: 4F2; 4F2HC; 4T2HC; CD98; CD98HC; MDU1; NACAE

Summary: This gene is a member of the solute carrier family and encodes a cell surface,

transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been

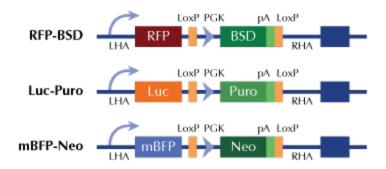
characterized. [provided by RefSeq, Nov 2010]





Product images:

Donor Vector Edited Chromosome



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