

Product datasheet for KN210597RB

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VPS35 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: VPS35 Symbol: Locus ID: 55737

KN210597G1, VPS35 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN210597G2, VPS35 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN210597RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 018206

UniProt ID: Q96QK1

Synonyms: MEM3; PARK17

Summary: This gene belongs to a group of vacuolar protein sorting (VPS) genes. The encoded protein is

> a component of a large multimeric complex, termed the retromer complex, involved in retrograde transport of proteins from endosomes to the trans-Golgi network. The close structural similarity between the yeast and human proteins that make up this complex suggests a similarity in function. Expression studies in yeast and mammalian cells indicate that this protein interacts directly with VPS35, which serves as the core of the retromer

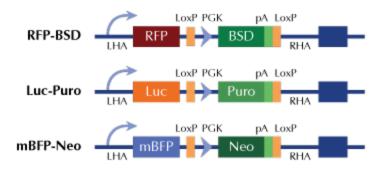
complex. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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