

Product datasheet for KN207749RB

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SNPH 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-BSESymbol:SNPHLocus ID:9751

Components: KN207749G1, SNPH gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207749G2, SNPH gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207749RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001318234</u>, <u>NM 014723</u>

UniProt ID: <u>015079</u>

Summary: Syntaxin-1, synaptobrevin/VAMP, and SNAP25 interact to form the SNARE complex, which is

required for synaptic vesicle docking and fusion. The protein encoded by this gene is membrane-associated and inhibits SNARE complex formation by binding free syntaxin-1. Expression of this gene appears to be brain-specific. Alternative splicing results in multiple

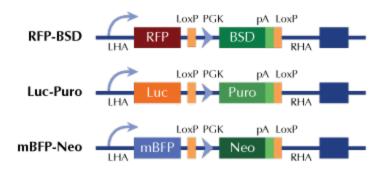
transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]





Product images:

Donor Vector Edited Chromosome



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