

Product datasheet for KN208674RB

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ApoER2 (LRP8) 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: ApoER2 Locus ID: 7804

Components: KN208674G1, ApoER2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208674G2, ApoER2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208674RBD, 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: <u>NM 001018054, NM 004631, NM 017522, NM 033300</u>

UniProt ID: Q14114

Synonyms: APOER2; HSZ75190; LRP-8; MCI1

Summary: This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low

density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal

degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the

cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for

major depressive disorder. Alternatively spliced transcript variants encoding multiple

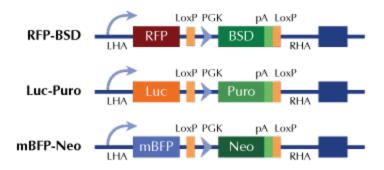
isoforms have been observed for this gene. [provided by RefSeq, Jun 2011]





Product images:

Donor Vector Edited Chromosome



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