

## Product datasheet for **KN208674BN**

### ApoER2 (LRP8) 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:	ApoER2
Locus ID:	7804
Components:	<b>KN208674G1</b> , ApoER2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN208674G2</b> , ApoER2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN208674BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001018054</a> , <a href="#">NM_004631</a> , <a href="#">NM_017522</a> , <a href="#">NM_033300</a>
UniProt ID:	<a href="#">Q14114</a>
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]



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Product images:

