Product datasheet for KN211229BN

Calcium Sensing Receptor (CASR) Human Gene Knockout Kit (CRISPR)

Product data:

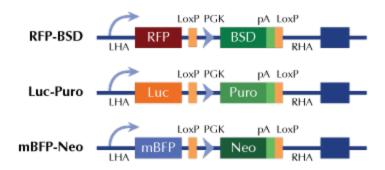|	
Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Calcium Sensing Receptor
Locus ID:	846
Components:	**KN211229G1**, Calcium Sensing Receptor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN211229G2**, Calcium Sensing Receptor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN211229BND**, donor DNA containing left and right homologous arms and mBFP-Neo 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_000388, NM_001178065
UniProt ID:	P41180
Synonyms:	CAR; EIG8; FHH; FIH; GPRC2A; HHC; HHC1; HYPOC1; NSHPT; PCAR1
Summary:	The protein encoded by this gene is a plasma membrane G protein-coupled receptor that senses small changes in circulating calcium concentration. The encoded protein couples this information to intracellular signaling pathways that modify parathyroid hormone secretion or renal cation handling, and thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene are a cause of familial hypocalciuric hypercalcemia, neonatal severe hyperparathyroidism, and autosomal dominant hypocalcemia. [provided by RefSeq, Aug 2017]

Product images:

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