

Product datasheet for KN202139RB

Granulin (GRN) 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: Granulin 2896 Locus ID: **KN202139G1**, Granulin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components:** KN202139G2, Granulin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN202139RBD, 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. NM 001012479, NM 002087 RefSeq: UniProt ID: P28799 acrogranin; GEP; GEP, GP88, PEPI, PGRN, PCDGF; GP88; granulin; granulin-epithelin; PC cell-Synonyms: derived growth factor; PCDGF; PEPI; PGRN; proepithelin; progranulin Granulins are a family of secreted, glycosylated peptides that are cleaved from a single Summary: precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. The 88 kDa precursor protein, progranulin, is also called proepithelin and PC cell-derived growth factor. Cleavage of the signal peptide produces mature granulin which can be further cleaved into a variety of active, 6 kDa peptides. These smaller cleavage products are named granulin A, granulin B, granulin C, etc. Epithelins 1 and 2 are synonymous with granulins A and B, respectively. Both the peptides and intact granulin protein regulate cell growth. However, different members of the granulin protein family may act as inhibitors, stimulators, or have dual actions on cell growth. Granulin family members are important in normal development, wound healing, and tumorigenesis. [provided by RefSeq, Jul 2008]

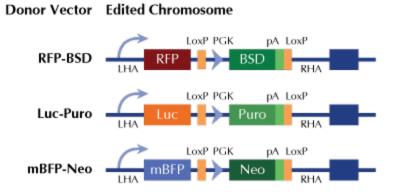


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OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product images:



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

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