

Product datasheet for KN202139BN

Granulin (GRN) 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: Granulin 2896 Locus ID: KN202139G1, Granulin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target **Components:** Sequence: TAAGGCCACCCAGCTCACCA KN202139G2, Granulin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGATGGTCAGTTCTGCCCTG KN202139BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003, scramble sequence in pCas-Guide vector **RefSeq:** NM 001012479, NM 002087 **UniProt ID:** P28799 Synonyms: acrogranin; GEP; GEP, GP88, PEPI, PGRN, PCDGF; GP88; granulin; granulin-epithelin; PC cellderived 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]

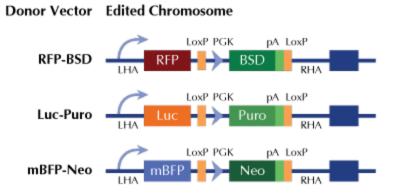


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US