

Product datasheet for KN208554LP

OriGene Technologies, Inc.

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GATA2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: GATA2 Locus ID: 2624

Components: KN208554G1, GATA2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208554G2, GATA2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208554LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001145661, NM 001145662, NM 002050, NM 032638</u>

UniProt ID: P23769

Synonyms: DCML; IMD21; MONOMAC; NFE1B

Summary: This gene encodes a member of the GATA family of zinc-finger transcription factors that are

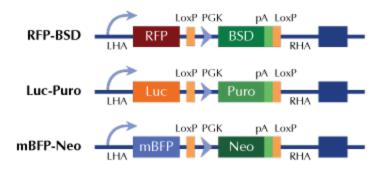
named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]





Product images:

Donor Vector Edited Chromosome



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