

Product datasheet for KN207709LP

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

G CSF (CSF3) 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: G CSF Locus ID: 1440

Components: KN207709G1, G CSF gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207709G2, G CSF gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207709LPD, 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: NM 000759, NM 001178147, NM 172219, NM 172220, NR 033662

UniProt ID: <u>P09919</u>

Synonyms: C17orf33; CSF3OS; GCSF

Summary: This gene encodes a member of the IL-6 superfamily of cytokines. The encoded cytokine

controls the production, differentiation, and function of granulocytes. Granulocytes are a type

of white blood cell that are part of the innate immune response. A modified form of this protein is commonly administered to manage chemotherapy-induced neutropenia. Alternatively spliced transcript variants have been described for this gene. [provided by

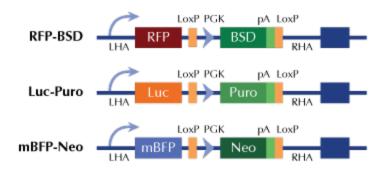
RefSeq, May 2020]





Product images:

Donor Vector Edited Chromosome



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