

Product datasheet for **KN207709**

G CSF (CSF3) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	G CSF
Locus ID:	1440
Components:	<p>KN207709G1, G CSF gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACTCACCCATCAGCTTCATG</p> <p>KN207709G2, G CSF gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCTCCCATGCCAGGGCAGG</p> <p>KN207709D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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:

[P09919](#)

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:

