

Product datasheet for KN207587LP

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

beta 2 Microglobulin (B2M) 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: beta 2 Microglobulin

Locus ID: 567

Components: KN207587G1, beta 2 Microglobulin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207587G2, beta 2 Microglobulin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN207587LPD**, 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 004048</u>

UniProt ID: P61769
Synonyms: IMD43

Summary: This gene encodes a serum protein found in association with the major histocompatibility

complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has

a predominantly beta-pleated sheet structure that can form amyloid fibrils in some

amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic

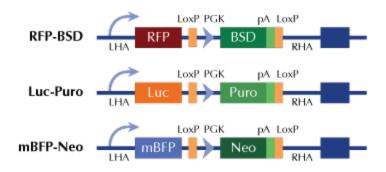
pathological conditions. The encoded antimicrobial protein displays antibacterial activity in

hypoproteinemia.[provided by RefSeq, Aug 2014]



Product images:

Donor Vector Edited Chromosome



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