

## Product datasheet for **KN207587LP**

### 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:   | <b>KN207587G1</b> , beta 2 Microglobulin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN207587G2</b> , beta 2 Microglobulin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN207587LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.<br><b>GE100003</b> , 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:       | <a href="#">NM_004048</a>   |
| UniProt ID:   | <a href="#">P61769</a>  |
| 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 pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.[provided by RefSeq, Aug 2014] |



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Product images:

