

## Product datasheet for **RC207587L4V**

### beta 2 Microglobulin (B2M) (NM\_004048) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	beta 2 Microglobulin (B2M) (NM_004048) Human Tagged ORF Clone Lentiviral Particle
Symbol:	beta 2 Microglobulin
Synonyms:	IMD43
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004048
ORF Size:	357 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207587).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004048.2</a>
RefSeq Size:	987 bp
RefSeq ORF:	360 bp
Locus ID:	567
UniProt ID:	<a href="#">P61769</a>
Cytogenetics:	15q21.1
Domains:	ig, IGC1
Protein Families:	Druggable Genome, Secreted Protein



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**Protein Pathways:** Antigen processing and presentation

**MW:** 13.71 kDa

**Gene 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]