

Product datasheet for RC203811L4V

OriGene Technologies, Inc.

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HLA DMB (HLA-DMB) (NM_002118) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: HLA DMB (HLA-DMB) (NM_002118) Human Tagged ORF Clone Lentiviral Particle

Symbol: HLA DMB

Synonyms: D6S221E; RING7

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_002118

ORF Size: 789 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC203811).

Sequence:
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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 002118.3, NP 002109.1

 RefSeq Size:
 1412 bp

 RefSeq ORF:
 792 bp

 Locus ID:
 3109

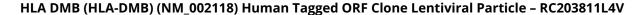
 UniProt ID:
 P28068

Cytogenetics: 6p21.32

Domains: MHC_II_beta, ig, IGc1

Protein Families: Transmembrane





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Protein Pathways: Allograft rejection, Antigen processing and presentation, Asthma, Autoimmune thyroid

disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus

erythematosus, Type I diabetes mellitus, Viral myocarditis

MW: 28.9 kDa

Gene Summary: HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a

heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is

approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the

transmembrane domain and exon 5 encodes the cytoplasmic tail. [provided by RefSeq, Jul

2008]