

## Product datasheet for SC204424

### HLA DMB (HLA-DMB) (NM\_002118) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	HLA DMB (HLA-DMB) (NM_002118) Human 3' UTR Clone
Symbol:	HLA DMB
Synonyms:	D6S221E; RING7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002118
Insert Size:	365 bp
Insert Sequence:	<p>&gt;SC204424 3'UTR clone of NM_002118</p> <p>The sequence shown below is from the reference sequence of NM_002118. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
AATTATTCAGAAGGATGGCACATTTCTAGAGGCAGAATCCTACAACCTTCCACTCCAAGTGAGAAGGAG
ATTCAAACCTCAATGATGCTACCATGCCTCTCCAACATCTTCAACCCCTGACATTATCTTGGATCCTAT
GGTTTCTCCATCCAATTCTTTGAATTTCCAGTCTCCCCTATGTAAACTTAGCAACTTGGGGGACCTC
ATTCTGGGACTATGCTGTAACCAAATTATTGTCCAAGGCTATATTTCTGGGATGAATATAATCTGAGG
AAGGGAGTTAAAGACCCTCCTGGGCTCTCAGTGTCCATAGAGGACAGCAACTGGTGATTGTTTCAGA
GAAATAAACTTTGGTGGAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.


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**RefSeq:** NM\_002118.5

**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]

**Locus ID:** 3109

**MW:** 13.7