

## Product datasheet for SC205037

### HLA-DQB1 (NM\_002123) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	HLA-DQB1 (NM_002123) Human 3' UTR Clone
Symbol:	HLA-DQB1
Synonyms:	CELIAC1; HLA-DQB; IDDM1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002123
Insert Size:	799 bp
Insert Sequence:	>SC205037 3'UTR clone of NM_002123 The sequence shown below is from the reference sequence of NM_002123. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAAGGAGTCAGAAAGGGCTTCTGCACTGACTCCTGAGACTATTTAACTAGGATTGGTTATCACTCTT
CTGTGATGCCTGCTTATGCCTGCCCAGAATCCCAGCTGCCTGTGTCAGCTTGCCCCCTGAGATCAAA
GTCCTACAGTGGCTGTCACGCAGCCACCAGGTCATCTCCTTTTCATCCCCACCCAAGGCGCTGGCTGTG
ACTCTGCTTCTGCACTGACCCAGAGCCTCTGCCTGTGCATGGCCAGCTGCGTCTACTCAGTCCCAAG
GGGTTTCTGTTTCTATTCTTTCTCAGACTGCTCAAGAGAAGCACATGAAAAACATTACCTGACTTTAG
AGCTTTTTTACATAAATTAACATGATCCTGAGTTATCTGTATTCTGAACTTTCTTAATTGAGAAGAGGC
AGGAAATCACTGCAGAATGAAGGAACATCCCTTGAGGTGACCCAGCAAACCTGTGGCCAGAAGGAGGAT
TGTACCTTGAAAAGACACTGAAAGCATTGTTGGGGTGTGAAGTAAGGGTGGGCAGAGGAGGTAGAAAAATA
ATTCAATTGTCGCATCATTATGGTTCTTTAATACTGATGCTCAGTGCATTGGCCTTAGAATATCCCAG
CCTCTCTCTGGTTTGGTGAGTGCTGTGTAATAAGCATGGTAGAATTGTTGGAGACATATATAGTGA
TCCTTGGTCACTGGTGTTCAAACATTCTGAAAGTCACATCGATCAAGAATATTTTTATTTTTAAGA
AAGCATAACCAGCAATAAAAACTATTTTTGAGTCTAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_002123.5</a></u>
<b>Summary:</b>	HLA-DQB1 belongs to the HLA class II beta chain paralogs. This class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and it contains six exons. Exon 1 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. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]
<b>Locus ID:</b>	3119
<b>MW:</b>	30.6