

Product datasheet for **SC205183**

HLA-DRB1 (NM_002124) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HLA-DRB1 (NM_002124) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HLA-DRB1
Synonyms: DRB1; HLA-DR1B; HLA-DRB; SS1
ACCN: NM_002124
Insert Size: 346 bp
Insert Sequence: >SC205183 3'UTR clone of NM_002124
The sequence shown below is from the reference sequence of NM_002124. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGACTTCAGCCAACAGGATTCTGAGCTGAAATGCAGATGACCACATTCAAGGAAGAACTTCTGCCCC
GGCTTTGCAGGATGAAAAGCTTCTCTGCTTGGCAGTTATCTTCCACAAGAGAGGGCTTCTCAGGACC
TGGTTGCTACTGGTTCGGCAACTGCAGAAAATGTCTCCCTTGTGGCTTCTCAGCTCCTGCCCTTGGC
CTGAAGTCCCAGCATTGATGGCAGCGCCTCATCTTCAACTTTTGTGCTCCCTTTGCCTAAACCGTATG
GCCTCCCGTGATCTGTATTCACCCTGTATGACAAACACATTACATTATTAATGTTTCTCAAAGATGGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-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.

RefSeq: [NM_002124.4](#)



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Summary:

HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), 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. The beta chain is approximately 26-28 kDa. It is encoded by 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. Within the DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Hundreds of DRB1 alleles have been described and some alleles have increased frequencies associated with certain diseases or conditions. For example, DRB1*1302 has been related to acute and chronic hepatitis B virus persistence. There are multiple pseudogenes of this gene. [provided by RefSeq, Jul 2020]

Locus ID: 3123

MW: 12.9