

## Product datasheet for **SC204920**

### HLA-DRB5 (NM\_002125) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** HLA-DRB5 (NM\_002125) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** HLA-DRB5  
**Synonyms:** HLA-DRB5\*  
**ACCN:** NM\_002125  
**Insert Size:** 416 bp  
**Insert Sequence:** >SC204920 3'UTR clone of NM\_002125  
The sequence shown below is from the reference sequence of NM\_002125. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGACTTCACCCAACAGGACTCGTGAGCTGAGTGAAGTGCAGATGACCACATTCAAGGGGGAACCTTCTGCCCC
AGCTTTGCATGATGAAAAGCTTTCTGCTTGGCTCTTATTCTCCACAAGAGAGGACTTTCTCAGGCC
TGTTTGCTACCGTTTACGCAACTCTGCAGAAAATGTCCATCCTTGTTGGCTTCCCTCAGCTCCTGCCCTTG
GCCTGAAGTCCCAGCATTGATGGCAGTGCCTCATCTTCAACTTTAGTGCTCCCCTTTACCTAACCTTAC
GGCCTCCCATGCATCTGTACTCCCCTGTGTGCCACAAATGCACTACGTTATTAATTTTTCTGAAGCC
CAGAGTAAAAATCATCTGTCCACCTGGCTCCAAAGACAAAAATAAAAAGAAAAGAAAAGGGAAGAT
TA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**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\\_002125.4](#)



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**Summary:** HLA-DRB5 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, 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 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. Within the DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. There are multiple pseudogenes of this gene. [provided by RefSeq, Feb 2020]

**Locus ID:** 3127

**MW:** 15.1