

Product datasheet for **SC205869**

HLAB (HLA-B) (NM_005514) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HLAB (HLA-B) (NM_005514) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HLA-B
Synonyms: AS; B-4901; HLAB
ACCN: NM_005514
Insert Size: 456 bp
Insert Sequence: >SC205869 3'UTR clone of NM_005514
 The sequence shown below is from the reference sequence of NM_005514. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGGGCTCTGATGTGTCTCTCACAGCTTGA AAAAGCCTGAGACAGCTGTCTTGTGAGGGACTGAGATGCA
GGATTTCTTACGCCTCCCCTTTGTGACTTCAAGAGCCTCTGGCATCTTTCTGCAAAGGCACCTGAA
TGTGTCTGCGTCCCTGTTAGCATAATGTGAGGAGGTGGAGAGACAGCCCACCCTTGTGTCCACTGTGAC
CCCTGTTCCCATGCTGACCTGTGTTTCTCCCCAGTCATCTTTCTTGTCCAGAGAGGTGGGGCTGGAT
GTCTCCATCTCTGTCTCAACTTTACGTGCACTGAGCTGCAACTTCTTACTTCCCTACTGAAAATAAGAA
TCTGAATATAAATTTGTTTTCTCAAATATTTGCTATGAGAGGTTGATGGATTAATTAATAAGTCAATT
CCTGGAATTTGAGAGAGCAAATAAAGACCTGAGAACCTTCCA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

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_005514.8](#)



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Summary:

HLA-B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exon 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-B alleles have been described. [provided by RefSeq, Jul 2008]

Locus ID:

3106

MW:

16.5