

Product datasheet for **SC208651**

HLA-DPB1 (NM_002121) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HLA-DPB1 (NM_002121) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HLA-DPB1
Synonyms:	DPB1; HLA-DP; HLA-DP1B; HLA-DPB
ACCN:	NM_002121
Insert Size:	2000 bp



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Insert Sequence: >SC208651 3'UTR clone of NM_002121
 The sequence shown below is from the reference sequence of NM_002121. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCAAGAAAGTTCAACGAGGATCTGCATAAACAGGGTTCCTGAGCTCACTGAAAAGACTATTGTGCCTT
AGGAAAAGCATTGCTGTGTTTCGTTAGCATCTGGCTCCAGGACAGACCTTCAACTTCCAAATTGGATA
CTGCTGCCAAGAAGTTGCTCTGAAGTCAGTTTCTATCATTCTGCTCTTTGATTCAAAGCACTGTTTCTC
TCACTGGGCTCCAACCATGTTCCCTTCTTCTAGCACCACAAATAATCAAAACCAACATGACTGTTT
GTTTTCTTTAAAAATATGCACCAATCATCTCTCATCACTTTTCTGAGGGTTTTAGTAGACAGTAG
GAGTTAATAAAGAAGTTCAATTTTGGTTTAAACATAGGAAAGAAGAGAACCATGAAATGGGGATATGTT
AACTATTGTATAATGGGGCTGTACACATGACACTCTTCTGAATTGACTGTATTTCACTGAGCTGCC
CCAAATCAAGTTTGTGCTCATCCATTTATGTCTCAGACCACTATTCTTAACTATTCAATGGTGAGC
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ATGTTTTATCATTACCATTAAGAAGTTAAATGAACATCAGAATTTAAAATCATAAATATAATCTAATAC
ACTTTAACATTTTCTTTGTGTGCCATCACAATACTCCTTAACCAAAATACGGCTTGACTTTTGAATG
CATCCAATAGACGTCAATTTGTGCTTAAGTCTGCATTCATCCACCAGCCTAGGCCCTGTCTTAATTT
TCATACAGACAGAAAATGACTCCCCACTGGGAAAGAGCAAAGCAATACATGTAGCACTCTTTTTCAAAC
ACTGGTCTTTTTTTTTTCTTAAACAATCCAACATTGTTATGTGTTTTGCGTCTCATATTGACACCTTTT
GGTCAAGGTAGAGGACATGTTTGTGTAAGCTTTCTTTTTCGTGTAGAGGATGGATTCTTCACTCCTGA
TACACACAATCAGTGCACAGCAGCTCTTATACATCCAGTTGATGCCTTCAGTCCCTGGCTTCTTA
CAAGCATCTTCTGGCCCTTGTGTGTCCTGGGCACCTGTCCCTGGTCAATTCCCGAAAGCTACTGTGCT
CCTCTTGCCCATCTCCCCTTGAATAATATCTTCCATCGGGGGACCGGCTTCTCCAATTTAGGAGA
GGTGGGGCTGAAGGCACAGACTTGGGCGTCACTGGCACAGATATAAGTAAATACAGCTGGAGTCTGCAG
AGAGGCTGGACTGAGTCAGGGAGTCAGGAAAGAGAAGCCACACACAAGGACAACCAATCATGTTTCTCA
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CATAATAAGCTAAGGAAGACAGTATATAGTAAATAAGGACCTTTATCTGTCTTATTTCCCTTTTGGC
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TGGAAGGAGGTGATGAGAATAGCAGAAAGTCTTCAAATCGAGATCATTATGAAATCCTCAGACCCAGAG
CACATAAATCCTACCCTCAGAGTCACTGAGCAGTTAACATTACAAATTACAAACCATATCCAGTCAGAG
TCATTCTCTTCTGCTTGTCTCCTGTACTCATGTTACAGGTTAGGGCAGTACCCCGAGTGGAGTGAAC
AATCTCTGGACTAACACTTGTGAGGATCAGAAGCTGAGGTATCTGCACCCACATTACAGGAACAGGATA
TGTGCTCCTAGGGAAGTGGGTTGTCAGGAGATGAGGAATGTCCCTGGAGTCACAGAAAGAAGGTATC
ACGCGTAAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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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_002121.6](#)

Summary:

HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 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 DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq, Jul 2008]

Locus ID:

3115

MW:

75.7