

Product datasheet for SC209262

HLADQA1 (HLA-DQA1) (NM_002122) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HLADQA1 (HLA-DQA1) (NM_002122) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HLA-DQA1
Synonyms: CELIAC1; DQ-A1; DQA1; HLA-DQA
ACCN: NM_002122
Insert Size: 783 bp
Insert Sequence: >SC209262 3'UTR clone of NM_002122
 The sequence shown below is from the reference sequence of NM_002122. 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
GGTGCTCCAGACACCAAGGGCCATTGTGAATCCCATCCCTGGAAGGGAAGGTGCATCGCCATCTACAGG
AGCAGAAGAATGGACTTGCTAAATGACCTAGCACTATTCTCTGGCCCGATTATCATATCCCTTTTCTC
CTCCAAATATTTCTCTCTCACCTTTTCTCTGGGACTTAAGCTGTATATCCCTCAGAGCTCACAAAT
GCCTTTACATTCTTTCCCTGACCTCCTGATTTTTTTTTTTCTTTTCTCAAATGTTACCTACAAGACATG
CCTGGGGTAAGCCACCCGGCTACCTAATCCTCAGTAACCTCCATCTAAAATCTCCAAGGAAGCAATAA
ATTCTTTTATGAGATCTATGTCAAATTTTCCATCTTTCATCCAGGGCTGACTGAAACTATGGCTAAT
AATTGGGGTACTCTTATGTTTCAATCCAATTTAACCTCATTTCCAGATCATTTTTCATGTCAGTAAC
ACAGAAGCCACCAAGTACAGTATAGCCTGATAATATGTTGATTTCTTAGCTGACATTAATATTTCTTGC
TTCCTTGTGTTCCACCCTTGGCACTGCCACCCACCCCTCAATTCAGGCAACAATGAAATTAATGGATA
CCGTCTGCCCTTGCCCGAGAATTGTTATAGCAAAAATTTAGAACCAAAAATAAGTCTGTACTAATTT
CAATGTGGCTTTTAAAAGTATGACAGAGAAATAAGTTAGGATAAAGGAAATTTGAATCTCAAAAATATC
AAAAGTAAAAATGTATTCTCAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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).



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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:	<u>NM_002122.5</u>
Summary:	HLA-DQA1 belongs to the HLA class II alpha chain paralogues. The 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 alpha chain is approximately 33-35 kDa. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and 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. [provided by RefSeq, Jul 2008]
Locus ID:	3117
MW:	30.1