

Recombinant Full Length Human HLA-DQB2 Protein, GST-tagged

Cat. No. HLA-DQB2-3599HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Human HLA-DQB2 full-length ORF (AAH31995, 1 a.a. - 231 a.a.) recombinant protein with GST-tag at N-terminal.

Species

Human

Source

In Vitro Cell Free System

ProteinLength

231 amino acids

Description

HLA-DQB2 belongs to the family of HLA class II beta chain paralogs. Class II molecules are heterodimers consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. They play 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). Polymorphisms in the alpha and beta chains specify the peptide binding specificity, and typing for these polymorphisms is routinely done for bone marrow transplantation. However this gene, HLA-DQB2, is not routinely typed, as it is not thought to have an effect on transplantation. There is conflicting evidence in the literature and public sequence databases for the protein-coding capacity of HLA-DQB2. Because there is evidence of transcription and an intact ORF, HLA-DQB2 is represented in Entrez Gene and in RefSeq as a protein-coding locus. [provided by RefSeq, Oct 2010]

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Molecular Mass	51.15 kDa
AA Sequence	MSWKMALQIPGGFWAAAVTVMLVMLSTPVAEARDFPKDFLVQFKGMCYFTNGTER VRGVARYIYNREEYGRFDSDVGEFQAVTELGRSIEDWNNYKDFLEQERAAVDKVC HNYEAE LR TTLQRQVEPTVTISPSRTEALNHHNLLVCSVTD FYPAQIKVQWFRNDQE ETAGVVSTSLIRNGDWTFQILVMLEITPQRGDIYTCQVEHPSLQSPITVEWRPRGPPP AGLLH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HLA-DQB2 major histocompatibility complex, class II, DQ beta 2 [Homo sapiens]
Official Symbol	HLA-DQB2
Synonyms	HLA-DQB2; major histocompatibility complex, class II, DQ beta 2; HLA DXB; HLA class II histocompatibility antigen, DQ beta 2 chain; MHC class II antigen DQB2; major histocompatibility complex, class II, DQ beta 1; HLA class II histocompatibility antigen, DX beta chain; DV19.1 (major histocompatibility complex, class II, DQ beta 2 (HLA-DXB)); HLA-DXB; HLA-DQB1;

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Gene ID	3120
mRNA Refseq	NM_001198858
Protein Refseq	NP_001185787
MIM	615161
UniProt ID	P05538

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