

Recombinant Human HLA-DQB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HLA-DQB2-4750H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HLA MS Standard C13 and N15-labeled recombinant protein (NP_872355) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	27 kDa
AA Sequence	MSWKMALQIPGGFWAAAVTVMLVMLSTPVAEARDFPKDFLVQFKGMCYFTNGTER

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VRGVARYIYNREEYGRFDSVGEFQAVTELGRSIEDWNNYKDFLEQERAAVDKVC
 HNYEAEELRTTLQRQVEPTVTISPSRTEALNHHNLLVCSVTDFYPAQIKVQWFRNDQE
 ETAGVVSTSLIRNGDWTFQILVMLEITPQRGDIYTCQVEHPSLQSPITVEWRPRGPPP
 AGLLHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HLA-DQB2 major histocompatibility complex, class II, DQ beta 2 [Homo sapiens (human)]

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;

Gene ID 3120

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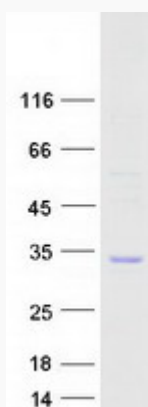
mRNA Refseq [NM_182549](#)

Protein Refseq [NP_872355](#)

MIM [615161](#)

UniProt ID [P05538](#)

SDS-PAGE



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