Recombinant Full Length Human HLA-DPB1 Protein, GST-tagged

Cat. No. HLA-DPB1-3583HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HLA-DPB1 full-length ORF (AAH13184, 1 a.a. - 258 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	258 amino acids
Description	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
Molecular Mass	54.12 kDa
AA Sequence	MMVLQVSAAPRTVALTALLMVLLTSVVQGRATPENYVYQGRQECYAFNGTQRFLER

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	YIYNREEYARFDSDVGEFRAVTELGRPAAEYWNSQKDILEEKRAVPDRVCRHNYEL DEAVTLQRRVQPKVNVSPSKKGPLQHHNLLVCHVTDFYPGSIQVRWFLNGQEETA GVVSTNLIRNGDWTFQILVMLEMTPQQGDVYICQVEHTSLDSPVTVEWKAQSDSAQ SKTLTGAGGFVLGLIICGVGIFMHRRSKKVQRGSA
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-DPB1 major histocompatibility complex, class II, DP beta 1 [Homo sapiens]
Official Symbol	HLA-DPB1
Synonyms	HLA-DPB1; major histocompatibility complex, class II, DP beta 1; HLA DP1B; HLA class II histocompatibility antigen, DP beta 1 chain; MHC HLA DPB1; HLA DP14-beta chain; MHC class II HLA-DRB1; class II HLA beta chain; MHC class II HLA-DP-beta; MHC class II antigen DPB1; MHC class II HLA-DP-beta-1; MHC class II antigen DPbeta1; MHC class II antigen beta chain; beta1 domain MHC class II HLA DPB; MHC class II antigen DP beta 1 chain; HLA-DP histocompatibility type, beta-1 subunit; HLA class II histocompatibility antigen, DP(W4) beta chain; major histocompatibility complex class II HLA DPB1 protein; major histocompatibility complex class II antigen beta chain; DPB1; HLA-DP; HLA-DPB; HLA-DP1B;

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	FLJ57621; FLJ61008;
Gene ID	3115
mRNA Refseq	NM_002121
Protein Refseq	NP_002112
MIM	142858
UniProt ID	P04440

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