

## Product datasheet for **TP331073**

### HLA-DQB2 (NM\_001198858) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens major histocompatibility complex, class II, DQ beta 2 (HLA-DQB2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC231073 representing NM_001198858 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MALQIPGGFWAAAVTVMLVMLSTPVAEARDFPKDFLVQFKGMICYFTNGTERVRGVARYIYNREEYGRFDS  
DVGEFQAVTELGRSIEDWNNYKDFLEQERAADVCKVRHNYEAE LR T T L Q R Q V E P T V T I S P S R T E A L N H H H  
L L V C S V T D F Y P A Q I K V R W F R N D Q E E T A G V V S T L I R N G D W T F Q I L V M L E I T P Q R G D I Y T C Q V E H P S L Q S P  
I T V E W R P R G P P P A G L L H

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	26.5
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001185787</a>
Locus ID:	3120



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UniProt ID: [P05538](#)

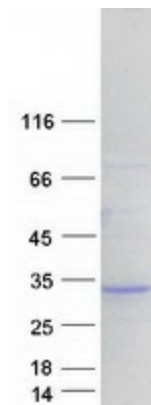
Cytogenetics: 6p21.32

RefSeq ORF: 681

Synonyms: DQB2; HLA-DQB1; HLA-DXB

**Summary:** 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]

### Product images:



Coomassie blue staining of purified HLA-DQB2 protein (Cat# TP331073). The protein was produced from HEK293T cells transfected with HLA-DQB2 cDNA clone (Cat# [RC231073]) using MegaTran 2.0 (Cat# [TT210002]).