

Product datasheet for TP304511L

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

HLA (NM_182549) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human major histocompatibility complex, class II, DQ beta 2 (HLA-

DQB2), 1 mg

Species: Human Expression Host: HEK293T

Expression cDNA Clone >RC204511 representing NM_182549 or AA Sequence: Red=Cloning site Green=Tags(s)

MSWKMALQIPGGFWAAAVTVMLVMLSTPVAEARDFPKDFLVQFKGMCYFTNGTERVRGVARYIYNREEYG RFDSDVGEFQAVTELGRSIEDWNNYKDFLEQERAAVDKVCRHNYEAELRTTLQRQVEPTVTISPSRTEAL NHHNLLVCSVTDFYPAQIKVQWFRNDQEETAGVVSTSLIRNGDWTFQILVMLEITPQRGDIYTCQVEHPS

LQSPITVEWRPRGPPPAGLLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 27

Concentration: $>0.05 \mu g/\mu L$ 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: Recombinant protein 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: NP 872355

Locus ID: 3120



HLA (NM_182549) Human Recombinant Protein - TP304511L

UniProt ID: P05538

RefSeq Size: 1092

Cytogenetics: 6p21.32

RefSeq ORF: 693

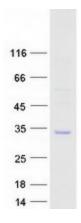
Synonyms: HLA-DQB1; HLA-DXB

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 protein (Cat# [TP304511]). The protein was produced from HEK293T cells transfected with HLA cDNA clone (Cat# [RC204511]) using MegaTran 2.0 (Cat# [TT210002]).