



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HLA-DPB1 (Human) Recombinant Protein (P02)

**Catalog Number:** H00003115-P02

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HLA-DPB1 full-length ORF ( AAH07963, 30 a.a. - 258 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
RATPENYLFQGRQECYAFNGTQRFLERYIYNREEFVR  
FDSDVGEFRAVTELGPRAAEYWNSQKDILEEKRAVPD  
RMCRHNYELGGPMTLQRRVQPRVNVSPSKKGPLQH  
HNLLVCHVTDFYPGSIQVRWFLNGQEETAGVVSTNLIR  
NGDWTFQILVMLEMTQQGDVYTCQVEHTSLDSPVT  
VEWKAQSDSARSKTLTGAGGFVLGLICGVGIFMHRRS  
KKVQRGSA
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 50.93

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3115

**Gene Symbol:** HLA-DPB1

**Gene Alias:** DPB1, HLA-DP1B

**Gene Summary:** 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]