



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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-DRB4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003126-P01

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

**Product Description:** Human HLA-DRB4 full-length ORF ( AAH05312, 30 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

GDTQPRFLEQAKCECRFLNGTERVWNLIRIYINQEEY  
ARYNSDLGEYQAVTELGRPDAEYWNSQKDLLERRRA  
EVDTYCRYNYGVVESFTVQRRVQPKVTVYPSKTQPLQ  
HHNLLVCSVNGFYPGSIEVRWFRNGQEEKAGVVSTGL  
IQNGDWFQTLVMLETVPRSGEVYTCQVEHPSMMSP  
LTVQWSARSESAQSKMLSGVGGFVLGLLFLGTGLFIY  
FRNQKGHSGLQPTGLLS

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

**Theoretical MW (kDa):** 51.81

**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:** 3126

**Gene Symbol:** HLA-DRB4

**Gene Alias:** DRB4, HLA-DR4B

**Gene Summary:** HLA-DRB4 belongs to the HLA class II

beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, 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 DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB4 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9. [provided by RefSeq]