



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### HLA-DPA1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003113-P01

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

**Product Description:** Human HLA-DPA1 full-length ORF ( AAH09956, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MRPEDRMFHIRAVILRALSLAFLLSLRGAGAIKADHVST  
YAAFVQTHRPTGEFMFEFDEDEQFYVDLDDKKEVWHL  
EEFGRAFSFEAQGGLANIAILNNLNTLIQRSNHTQAA  
NDPPEVTVFPKEPVELGQPNTLICHIDRFFPVLNVTW  
LCNGEPVTEGVAESLFLPRTDYSFHKFHYLTFVPSAED  
VYDCRVEHWGLDQPLLKHWEAQEPIQMPETTETVLC  
ALGLVLGLVGIIVGTVLIKSLRSGHDPRAQGPL

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

**Theoretical MW (kDa):** 54.34

**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:** 3113

**Gene Symbol:** HLA-DPA1

**Gene Alias:** HLA-DP1A, HLADP, HLASB

**Gene Summary:** HLA-DPA1 belongs to the HLA class II

alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) 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 alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and 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]