



# 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-A (Human) Recombinant Protein (P01)

**Catalog Number:** H00003105-P01

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

**Product Description:** Human HLA-A full-length ORF (AAH03069, 24 a.a. - 365 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

AGSHSMRYFFTSVSRPGRGEPFRFIAVGYVDDTQFVRF  
DSDAASQKMEPRAPWIEQEGPEYWDQETRNMKAH  
QTDRLNGLTRGYYNQSEDGSHTIQIMYGCDVGP  
RFLRGYRQDAYDGKDYIALNEDLRSWTAADMAAQITK  
RKWEAVHAAEQRRVYLEGRCVDGLRRYLENGKETLQ  
RTDPPKTHMTHHPISDHEATLRCWALGFYPAEITLW  
QRDGEDQTQDELVETRPAGDGTQKWAQVAVVPSGE  
EQRYTCHVQHEGLPKPLTLRWELSSQPTIPVGIAGLV  
LLGAVITGAVVAVMWRRKSSDRKGGSYTQAASSDS  
AQSVDVSLTACKV

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

**Theoretical MW (kDa):** 63.36

**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:** 3105

**Gene Symbol:** HLA-A

**Gene Alias:** HLAA

**Gene Summary:** HLA-A belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-A alleles have been described. [provided by RefSeq]