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Datasheet for ABIN6388240

**HLA-DRB1 Protein (AA 30-227) (His tag)**

## Overview

Quantity:	50 µg
Target:	HLA-DRB1
Protein Characteristics:	AA 30-227
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLA-DRB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	ADPGDTRPRF LWQPKRECHF FNGTERVRFL DRYFYNQEES VRFDSVGEF RAVTELGRPD AEYWNSQKDI LEQARAAVDT YCRHNYGVVE SFTVQRRVQP KVTVYPSKTQ PLQHHNLLVC SVSGFYPGSI EVRWFLNGQE EKAGMVSTGL IQNGDWTFQT LVMLETVPRS GEVYTCQVEH PSVTSPLTVE WRARSESAQS KHHHHHH
Purity:	> 85 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

## Target Details

Target:	HLA-DRB1
Alternative Name:	HLA-DRB1 ( <a href="#">HLA-DRB1 Products</a> )
Background:	HLA-DRB1, also known as major histocompatibility complex, class II, DR beta 1 precursor,

## Target Details

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belongs to the human leukocyte antigen (HLA) class II beta chain paralogues. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins to T helper cells. It helps the immune system distinguish the body's own proteins from proteins made by foreign invaders such as viruses and bacteria. It is associated with an increased incidence of rheumatoid arthritis. Recombinant human HLA-DRB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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Molecular Weight: 24.0kDa (207aa) 28-40kDa (SDS-PAGE under reducing conditions)

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NCBI Accession: [NP\\_002115](#)

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UniProt: [Q29974](#)

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Pathways: [TCR Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Production of Molecular Mediator of Immune Response](#), [CXCR4-mediated Signaling Events](#), [Cancer Immune Checkpoints](#), [Human Leukocyte Antigen \(HLA\) in Adaptive Immune Response](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 0.25 mg/mL

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Buffer: Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 30 % glycerol.

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.