

Datasheet for ABIN5853579
HLA-DRB1 Protein (AA 30-227) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	HLA-DRB1
Protein Characteristics:	AA 30-227
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLA-DRB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGDTRPRFLW QPKRECHFFN GTERVRFLDR YFYNQEESVR
FSDVGEFRA VTELGRPDAE YWNSQKDILE QARAADVITYC RHNYGVVESF TVQRRVQPKV
TVYPSKTQPL QHHNLLVCSV SGFYPGSIEV RWFLNGQEEK AGMVSTGLIQ NGDWTFQTLV
MLETVPRSGE VYTCQVEHPS VTSPLTVEWR ARSESAQSK

Purity: > 85 % by SDS - PAGE

Target Details

Target:	HLA-DRB1
Alternative Name:	HLA-DRB1 (HLA-DRB1 Products)
Background:	HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the

Target Details

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. It is encoded by 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. Recombinant human HLA-DRB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 25.2 kDa (219aa)

NCBI Accession: [NP_002115](#)

UniProt: [P01911](#)

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

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

Comment: Denatured

Restrictions: For Research Use only

Handling

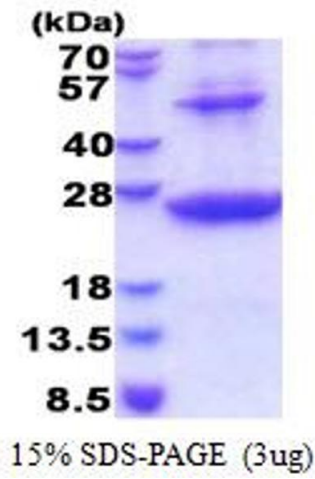
Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

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.



SDS-PAGE

Image 1.