

Datasheet for ABIN5440096

Human HLA-DQA2 ORF Clone in Mammalian Expression Vector (GFP tag)

Overview

Quantity:	10 µg
Gene:	HLA-DQA2
Species:	Human
Fusion tag:	GFP tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Mammalian Vector with ORF clone of Human major histocompatibility complex, class II, DQ alpha 2 (HLA-DQA2)
Brand:	TrueORF
Vector Backbone:	pCMV6-AC-GFP
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Stable, Transient
Grade:	End-sequenced
Components:	The ORF clone is ion-exchange column purified, transfection-ready dried plasmid DNA, and shipped with 2 vector sequencing primers.

Target Details

Gene:	HLA-DQA2
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Order at www.genomics-online.com

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Target Details

Abstract: [HLA-DQA2 Products](#)

Background: This gene belongs to the HLA class II alpha chain family. The encoded protein forms a heterodimer with a class II beta chain. It is located in intracellular vesicles and plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (B lymphocytes, dendritic cells, macrophages) and are used to present antigenic peptides on the cell surface to be recognized by CD4 T-cells.

NCBI Accession: [NM_020056, NP_064440](#)

Application Details

Application Notes: Ideal For Tracking the over-expressed protein in transfected cells

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: 4 °C/-20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)