

Product datasheet for AR51010PU-N

OriGene Technologies, Inc.

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HLA class II DO alpha / HLA-DOA (26-217, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: HLA class II DO alpha / HLA-DOA (26-217, His-tag) human protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSTKADHMG SYGPAFYQSY GASGQFTHEF DEEQLFSVDL

or AA Sequence: KKSEAVWRLP EFGDFARFDP QGGLAGIAAI KAHLDILVER SNRSRAINVP PRVTVLPKSR VELGQPNILI

CIVDNIFPPV INITWLRNGQ TVTEGVAQTS FYSQPDHLFR KFHYLPFVPS AEDVYDCQVE

HWGLDAPLLR HWELQVPIPP PDAME

Tag: His-tag
Predicted MW: 24.1 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Preparation: Liquid purified protein

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 002110

Locus ID: 3111

UniProt ID: <u>P06340, X5CF87, A0A1V0E3Q8, A0A1V0E3S6, A0A1V0E3R8, A0A1V0E3Q1, A0A1V0E3N6,</u>

A0A1V0E3Q3, A0A1V0E3P3, A0A1V0E3N7, A0A1V0E3S4, A0A1V0E3Q4, A0A1V0E3R4, A0A1V0E3P8, A0A1V0E3R0, A0A1V0E3R3, A0A1V0E3N1, A0A1V0E3Q7, A0A1V0E3R6, A0A1V0E3N3, A0A1V0E3P0, A0A1V0E3Q5, A0A1V0E3P1, A0A1V0E3M7, A0A1V0E3P9, A0A1V0E3P6, A0A1V0E3Q2, A0A1V0E3T1, A0A1V0E3S0, A0A1V0E3S7, A0A1V0E3Q6

Cytogenetics: 6p21.32

Synonyms: HLA-DNA; HLA-DZA; HLADZ





Summary: HLA-DOA belongs to the HLA class II alpha chain paralogues. HLA-DOA forms a heterodimer

with HLA-DOB. The heterodimer, HLA-DO, is found in lysosomes in B cells and regulates HLA-DM-mediated peptide loading on MHC class II molecules. In comparison with classical HLA class II molecules, this gene exhibits very little sequence variation, especially at the protein

level. [provided by RefSeq, Jul 2008]

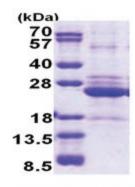
Protein Families: Transmembrane

Protein Pathways: Allograft rejection, Antigen processing and presentation, Asthma, Autoimmune thyroid

disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus

erythematosus, Type I diabetes mellitus, Viral myocarditis

Product images:



15% SDS-PAGE (3ug)