

Product datasheet for **AR51010PU-S**

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, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSTKADHMG SYGPAFYQSY GASGQFTHEF DEEQLFSVDL 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:	P06340 , X5CF87 , A0A1V0E3Q8 , A0A1V0E3S6 , A0A1V0E3R8 , A0A1V0E3Q1 , A0A1V0E3N6 , 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



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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: