

Recombinant Human HLA-DOA, GST-tagged

Cat. No. HLA-DOA-13814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-DOA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	25-221a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HLA-DOA major histocompatibility complex, class II, DO alpha [Homo sapiens]
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Official Symbol	HLA-DOA
Synonyms	HLA-DOA; major histocompatibility complex, class II, DO alpha; HLA DNA, HLA DZA; HLA class II histocompatibility antigen, DO alpha chain; HLA D0 alpha; HLA-D0-alpha; MHC DN-alpha; MHC DZ alpha; lymphocyte antigen; MHC class II antigen DOA; major histocompatibility complex, class II, DN alpha; HLADZ; HLA-DNA; HLA-DZA;
Gene ID	3111
mRNA Refseq	NM_002119
Protein Refseq	NP_002110
MIM	142930
UniProt ID	P06340
Chromosome Location	6p21.3
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem;
Function	MHC class II receptor activity;