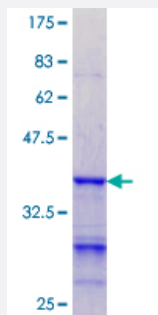


HLA-DOA (Human) Recombinant Protein (Q01)

Catalog # H00003111-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HLA-DOA partial ORF (NP_002110.1, 28 a.a. - 125 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ADHMGSYGPAFYQSYGASGQFTHFDEEQLFSVDLKKSEAVWRLPEFGDFARFDPQGGLAGIA AIKAHLDILVERSNRSRAINVPPRVTVLPKSRVEL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HLA-DOA

Entrez GeneID [3111](#)

GeneBank Accession# [NM_002119](#)

Protein Accession# [NP_002110.1](#)

Gene Name HLA-DOA

Gene Alias HLA-DNA, HLA-DZA, HLADZ

Gene Description major histocompatibility complex, class II, DO alpha

Omim ID [142930](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations HLA-D0-alpha|MHC class II antigen|OTTHUMP00000029303|lymphocyte antigen|major histocompatibility complex, class II, DN alpha

Pathway

- [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](#)

Disease

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)