

Recombinant Full Length Human HLA-DMA Protein

Cat. No. HLA-DMA-230HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HLA DM protein with an N terminal proprietary tag; Predicted MW 54.45 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	261 amino acids
Description	HLA-DMA belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta chain (DMB), both anchored in the membrane. It is located in intracellular vesicles. DM 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 (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail.
Form	Liquid
Molecular Mass	54.450kDa
AA Sequence	MGHEQNQGAALLQMLPLLWLLPHSWAVPEAPTPMWPDDLQ NHTFLHTVYCQDGS PSVGLSEAYDEDQLFFFDQSQNTRVP RLPEFADWAQEQQGDAPAILFDKEFCEWMIQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QIGPKLDGKI PVSRGFPIAEVFTLKPLEFGKPNTLVCFVSNLFPPMLTVN WQHHSVP
VEGFGPTFVSAVDGLSFQAFSYLNFTPEPSDIF SCIVTHEIDRYTAIAYWVPRNALPS
DLLENVLCGVAFGLG VLGIIVGIVLIIYFRKPCSGD

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name HLA-DMA major histocompatibility complex, class II, DM alpha [Homo sapiens]

Official Symbol HLA-DMA

Synonyms HLA-DMA; major histocompatibility complex, class II, DM alpha; HLA class II histocompatibility antigen, DM alpha chain; D6S222E; RING6

Gene ID 3108

mRNA Refseq NM_006120

Protein Refseq NP_006111

MIM 142855

UniProt ID P28067

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA