

Major Histocompatibility Complex Class II DR Alpha Recombinant Protein | HLA-DRA recombinant protein

Recombinant Human Major Histocompatibility Complex Class II DR Alpha

CATALOG # AAA39107	HOST E Coli
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PRODUCT SYNONYMS

Major Histocompatibility Complex Class II DR Alpha; Recombinant Human Major Histocompatibility Complex Class II DR Alpha; HLA-DRA Human; Major Histocompatibility Complex Class II DR Alpha Human Recombinant; Major Histocompatibility Complex; Class II; DR Alpha; HLA-DRA1; MHC Class II AntigenDRA; MLRW; Histocompatibility AntigenHLA-DR Alpha; HLAClass II Histocompatibility Antigen; DR Alpha Chain; MHC Cell Surface Glycoprotein; HLA-DRA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	HLA-DRA protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Sterile Filtered clear solution.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMIK</u> EEHVIIQAEF YLNPDQSGEF MFDFDGDIEF HVDMAKKETV WRLEEFGRFA SFEAQGALAN IAVDKANLEI MTKRSNYTPI TNVPPEVTVL TNSPVELREP NVLICFIDKF TPPVVNVTWL RNGKPVTTGV SETVFLPREL HLFKRFHYLP FLPSTEDVYD CRVEHWGLDE PLLKHWEFDA PSPLPETTE
Sequence Length	254
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HLA-DRA recombinant protein	Description: HLA-DRA Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 212 amino acids (26-216 a.a) and having a molecular mass of 24.3kDa.HLA-DRA is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Major histocompatibility complex, class II, DR alpha (HLA-DRA) belongs to the MHC class II family. HLA-DRA binds peptides derived from antigens which access the endocytic route of antigen presenting cells (APC) and presents them on the cell surface for identification by the CD4 T-cells. The peptide binding cleft accommodates peptides of 10-30 residues. The peptides presented by MHC class II molecules are generated mainly by degradation of proteins which access the endocytic route, where they are processed by lysosomal proteases and other hydrolases.
Product Categories/Family for HLA-DRA recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Major Histocompatibility Complex

NCBI AND UNIPROT INFORMATION

NCBI GI #	52426774
NCBI GeneID	3122
NCBI Accession #	NP_061984.2

NCBI GenBank Nucleotide #	NM_019111.4
UniProt Accession #	P01903; Q30160; Q6IAZ1; Q861I2; Q9TP70; A2BET4
Molecular Weight	28,607 Da
NCBI Official Full Name	HLA class II histocompatibility antigen, DR alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DR alpha
NCBI Official Symbol	HLA-DRA
NCBI Official Synonym Symbols	MLRW; HLA-DRA1
NCBI Protein Information	HLA class II histocompatibility antigen, DR alpha chain; MHC cell surface glycoprotein; MHC class II antigen DRA; histocompatibility antigen HLA-DR alpha
UniProt Protein Name	HLA class II histocompatibility antigen, DR alpha chain
UniProt Gene Name	HLA-DRA
UniProt Synonym Gene Names	HLA-DRA1
UniProt Entry Name	DRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hla-dra-recombinant-protein-e-coli/39107>