

## 32-3964: HLA-DOA Recombinant Protein

**Alternative Name :** HLA-DNA,HLA-DZA,HLADZ,HLA class II histocompatibility antigen,DO alpha chain,MHC DN-alpha,MHC DZ alpha,MHC class II antigen DOA,HLA-DOA.

### Description

Source : Escherichia Coli. HLA-DOA Human Recombinant produced in E. coli is a single polypeptide chain containing 215 amino acids (26-217) and having a molecular mass of 24.1kDa. HLA-DOA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Major Histocompatibility Complex Class II DO Alpha (HLA-DOA) is a significant modulator in the HLA class II restricted antigen presentation pathway by interaction with the HLA-DM molecule in B-cells. HLA-DOA forms a heterodimer along with HLA-DOB. The heterodimer is located in lysosomes in B cells and regulates HLA-DM-mediated peptide loading on MHC class II molecules. HLA-DOA exhibits very little sequence variation, particularly at the protein level.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The HLA-DOA solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSTKADHMG SYGPAFYQSY GASGQFTHEF DEEQLFSDVL  
KKSEAVWRLP EFGDFARFDP QGGLAGIAAI KAHLDILVER SNRSRAINVP PRVTVLPKSR VELGQPNILI  
CIVDNIFPPV INITWLRNGQ TVTEGVAQTS FYSQPDHLFR KFHYLPFVPS AEDVYDCQVE HWGLDAPLLR  
HWELQVPIPP PDAME.