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32-3967: HLA-DRB1 Recombinant Protein

Alternative Name : DRB1,HLA DRB1,HLA-DR1B,HLA-DRB1,MHC class II antigen DRB1 16,DR-16,DR16,Human Leucocyte AntigenDRB1,MHC Class IIHLA-DR-Beta Cell Surface Glycoprotein,MHC Class IIHLA-DRw10-Beta.

Description

Source : Escherichia Coli. HLA-DRB1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 219 amino acids (30-227 a.a) and having a molecular mass of 25.2kDa.HLA-DRB1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Major Histocompatibility Complex Class II DR Beta 1 also known as HLA-DRB1 ia a member of the HLA class II beta chain paralogs. Molecule class II is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the membrane. HLA-DRB1 takes an essential part in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). Furthermore, the beta chain is approximately 26- 28 kDa. It is encoded by 6 exons. While exon one encodes the leader peptide; exons 2 and 3 encode the two extracellular domains; exon 4 encodes the transmembrane domain; and exon 5 encodes the cytoplasmic tail.

Product Info

Amount :	20 µg
Purification :	"Greaterthan 85% as determined by SDS-PAGE."
Content :	HLA-DRB1 protein solution (1mg/ml) containing 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).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGDTRPRFLW QPKRECHFFN GTERVRFLDR YFYNQEESVR FDSDVGEFRA VTELGRPDAE YWNSQKDILE QARAAVDTYC RHNYGVVESF TVQRRVQPKV TVYPSKTQPL QHHNLLVCSV SGFYPGSIEV RWFLNGQEEK AGMVSTGLIQ NGDWTFQTLV MLETVPRSGE VYTCQVEHPS VTSPLTVEWR ARSESAQSK