

Recombinant Human HLA-DRB1 protein, His-tagged

Cat. No. HLA-DRB1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human HLA-DRB1 was expressed in Baculovirus, with a His-Tag.
Species	Human
Source	Insect Cells
ProteinLength	30-227aa
Description	HLA-DRB1, also known as major histocompatibility complex, class II, DR beta 1 precursor, belongs to the human leukocyte antigen (HLA) class II beta chain paralogues. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins to T helper cells. It helps the immune system distinguish the body's own proteins from proteins made by foreign invaders such as viruses and bacteria. It is associated with an increased incidence of rheumatoid arthritis. Recombinant human HLA-DRB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol.
Molecular Mass	24 kDa (207aa)
AA Sequence	ADPGDTRPRF LWQPKRECHF FNGTERVRFL DRYFYNQEES VRFDSDVGEF

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RAVTELGRPD AEYWNSQKDI LEQARA AVDT YCRHNYGVVE SFTVQRRVQP
 KVTVYPSKTQ PLQHHNLLVC SVSGFYPGSI EVRWFLNGQE EKAGMVSTGL
 IQNGDWTFQT LVMLETVPRS GEVYTCQVEH PSVTSPLTVE WRARSESAQS
 KHHHHHHH

Endotoxin < 1 EU per 1ug of protein (determined by LAL method)

Purity > 85% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at 2 centigrade to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml

GENE INFORMATION

Gene Name HLA-DRB1 major histocompatibility complex, class II, DR beta 1 [Homo sapiens (human)]

Official Symbol HLA-DRB1

Synonyms Major histocompatibility complex, class II, DR beta 1, HLA-DRB1, DRB1, HLA-DR1B, HLA-DRB, SS1

Gene ID 3123

mRNA Refseq NM_002124

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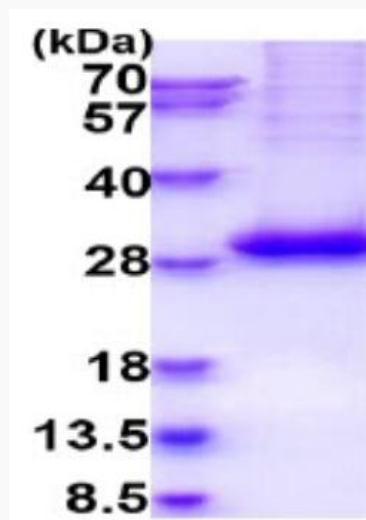
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Protein Refseq NP_002115

MIM 142857

UniProt ID P01911

15%SDS-PAGE (3ug)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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