

Recombinant Human HLA-DOB Protein, GST-tagged

Cat. No. HLA-DOB-4839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HLA-DOB partial ORF (NP_002111, 27 a.a. - 116 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	27-116 a.a.
Description	HLA-DOB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DOA) and a beta chain (DOB), both anchored in the membrane. It is located in intracellular vesicles. DO suppresses peptide loading of MHC class II molecules by inhibiting HLA-DM. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. 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. [provided by RefSeq]
Molecular Mass	35.64 kDa
AA Sequence	TDSPEDFVIQAKADCYFTNGTEKVQFVVRFIFNLEEYVRFDSDVGMFVALTKLGQPD AEQWNSRLDLLERSRQAVDGVCRHNYRLGAPFT
Applications	Enzyme-linked Immunoabsorbent Assay

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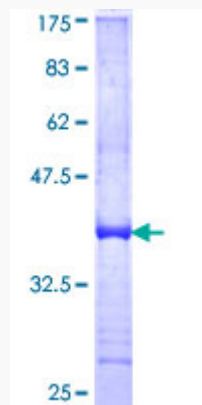
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HLA-DOB major histocompatibility complex, class II, DO beta [Homo sapiens]
Official Symbol	HLA-DOB
Synonyms	HLA-DOB; major histocompatibility complex, class II, DO beta; HLA class II histocompatibility antigen, DO beta chain; MHC class II antigen DOB; DOB; FLJ57033;
Gene ID	3112
mRNA Refseq	NM_002120
Protein Refseq	NP_002111
MIM	600629
UniProt ID	P13765

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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