

## Active Recombinant Human HLA-DRB1, Fc-tagged

**Cat. No.** HLA-DRB1-713H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human VNN2-Fc fusion is expressed as a 697 amino acid protein consisting of Gln23 - Ser492 region of VNN2 (Uniprot Accession #O95498) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
<b>Source</b>	Human cells
<b>Species</b>	Human
<b>Tag</b>	Fc
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
<b>Bio-activity</b>	VNN2 hydrolyzes D-pantetheine and releases cysteamine.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 78.7; Estimated by SDS-PAGE under reducing condition (kDa): 80-85
<b>Endotoxin</b>	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition.
<b>Storage</b>	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw

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cycles.

## GENE INFORMATION

<b>Gene Name</b>	HLA-DRB1 major histocompatibility complex, class II, DR beta 1 [ Homo sapiens ]
<b>Official Symbol</b>	HLA-DRB1
<b>Synonyms</b>	HLA-DRB1; major histocompatibility complex, class II, DR beta 1; HLA DR1B; DW2.2/DR2.2; MHC class II antigen; lymphocyte antigen DRB1; MHC class II HLA-DRw10-beta; human leucocyte antigen DRB1; MHC class II HLA-DR beta 1 chain; MHC class II HLA-DR-beta cell surface glycoprotein; HLA class II histocompatibility antigen, DR-1 beta chain; SS1; DRB1; DRw10; HLA-DRB; HLA-DR1B; FLJ75017; FLJ76359;
<b>Gene ID</b>	3123
<b>mRNA Refseq</b>	NM_001243965
<b>Protein Refseq</b>	NP_001230894
<b>MIM</b>	142857
<b>UniProt ID</b>	P01911
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved

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biosystem;

**Function**

MHC class II receptor activity; MHC class II receptor activity;

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