

Active Recombinant Human HLA-DRB1, Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	23-492 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
Bio-activity	VNN2 hydrolyzes D-pantetheine and releases cysteamine.
Molecular Mass	Calculated molecular mass (kDa): 78.7; Estimated by SDS-PAGE under reducing condition (kDa): 80-85
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
Purity	>95% judged by SDS-PAGE under reducing condition.
Storage	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	HLA-DRB1 major histocompatibility complex, class II, DR beta 1 [Homo sapiens]
Official Symbol	HLA-DRB1
Synonyms	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;
Gene ID	3123
mRNA Refseq	NM_001243965
Protein Refseq	NP_001230894
MIM	142857
UniProt ID	P01911
Chromosome Location	6p21.3
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Antigen processing and

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presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem;

Function

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

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