

Active Recombinant Human HLA-DRB1, Fc-tagged

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

SPECIFICATION

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| 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. |
| Source | Human cells |
| Species | Human |
| Tag | Fc |
| 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 protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw |

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GENE INFORMATION

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

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For Research Use Only

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|-----------------|---|
| | biosystem; |
| Function | MHC class II receptor activity; MHC class II receptor activity; |