

## Recombinant Human HLA-DQB1 protein, GST-tagged

**Cat. No.** HLA-DQB1-802H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HLA-DQB1(1 a.a. - 261 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-261 a.a.                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 56.3 kDa                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MSWKKALRIPGGLRVATVTLMLAMLSTPVAEGRDSPEDFVYQFKGMCYFTNGTERV<br>RLVTRYIYNREEYARFDS VGVYRAVTPLGPPAAEYWNSQKEVLERTRAELDTVCR<br>HNYQLELR TTLQRRVEPTVTISPSRTEALNHHNLLVCS VTDFYPAQIKVRWFRNDQE<br>ETTG VVSTPLIRNGDWTFQILVMLEMT PQRGDVYTCHVEHPSLQNP IIVEWRAQSE<br>SAQSKMLSGIGGFVLGLIFLGLGLIIH HRSQKGLLH |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);<br>Antibody Production; Protein Array                                                                                                                                                                              |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                    |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | HLA-DQB1 major histocompatibility complex, class II, DQ beta 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | <a href="#">HLA-DQB1</a>                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | HLA-DQB1; major histocompatibility complex, class II, DQ beta 1; HLA DQB; HLA class II histocompatibility antigen, DQ beta 1 chain; CELIAC1; IDDM1; MHC DQ beta; MHC class2 antigen; lymphocyte antigen; MHC class II antigen DQB1; MHC class II DQ beta chain; MHC class II antigen HLA-DQ-beta-1; MHC class II HLA-DQ beta glycoprotein; HLA-DQB; |
| <b>Gene ID</b>             | <a href="#">3119</a>                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | <a href="#">NM_001243961</a>                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | <a href="#">NP_001230890</a>                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | <a href="#">604305</a>                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | <a href="#">P01920</a>                                                                                                                                                                                                                                                                                                                              |
| <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 biosystem;      |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Function**

MHC class II receptor activity; peptide antigen binding; repressing transcription factor binding; toxin binding; ubiquitin protein ligase binding;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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