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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HLA-DQB1 (Human) Recombinant Protein (P02)

Catalog Number: H00003119-P02

Regulation Status: For research use only (RUO)

Product Description: Human HLA-DQB1 full-length ORF (AAH12106.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MSWKKALRIPGGLRVATVTLMLAMLSTPVAEGRDSPE
DFVYQFKGMCYFTNGTERVRLVTRYIYNREEYARFDS
DVGVYRAVTPLGPPAAEYWNSQKEVLERTRAELDTVC
RHNYQLELRTTLQRRVEPTVTISPSRTEALNHHNLLVC
SVTDFYPAQIKVRWFRNDQEETTGVVSTPLIRNGDWT
FQILVMLEMTPQRGDVYTCHVEHPSLQNPIIVEWRAQ
SESAQSKMLSGIGGFVLGLIFLGLGLIIHHRSQKGLLH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 56.3

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3119

Gene Symbol: HLA-DQB1

Gene Alias: CELIAC1, HLA-DQB, IDDM1

Gene Summary: HLA-DQB1 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and it 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. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation. [provided by RefSeq]