Datasheet for ABIN935791

# FCER2 Protein

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## Overview

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| Quantity: | 20 µg |
| Target: | FCER2 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |

## Product Details

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| Sequence: | MELQVSSGFV CNTCPEKWIN FQRKCYYFGK GTKQWVHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN DAFCDRKLGA WVCDRLATCT PPASEGSAES MGPDSRPDPD GRLPTPSAPL HS |
| Characteristics: | Purified recombinant Human CD23 protein<br>Expression System: E.coli |
| Purity: | > 96 % pure |
| Endotoxin Level: | < 0.1 ng per µg (1 EU/µg). |

## Target Details

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| Target: | FCER2 |
| Alternative Name: | CD23 (FCER2 Products) |
| Background: | CD23, the low affinity receptor for IgE, belongs to the C-type lectin structural family and plays a role in the regulation of IgE synthesis and IgE mediated activities. It is found both as a transmembrane receptor protein and in a soluble form, which is generated by proteolytic |

## Target Details

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| | cleavage of membrane bound CD23. The predominant soluble form of CD23 (sCD23) consists of 172 amino acids corresponding to the extracellular domain of the full length precursor. sCD23, in addition to binding IgE, also exerts a number of IgE independent activities, such as promoting the activation and differentiation of B-cells and stimulating the release of pro-inflammatory cytokines from monocytes.<br>Alternative Names: FCeRII protein, CD23, Lymphocyte IgE receptor protein, Fc-epsilon-RII protein, BLAST-2 protein, CD 23 protein, CD-23 protein, CD 23, CD23 antigen protein, CD-23 |
| Molecular Weight: | 19.2 kDa |
| Pathways: | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process |

## Application Details

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| Application Notes: | Each Investigator should determine their own optimal working dilution for specific applications. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Buffer: | Supplied as a lyophilized powder. |
| Handling Advice: | Avoid repeated freeze/thaw cycles. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage. |