Datasheet for ABIN7596160

# FCER2 Protein (AA 48-321) (His tag)

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## Overview

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|---|---|
| Quantity: | 250 µg |
| Target: | FCER2 |
| Protein Characteristics: | AA 48-321 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This FCER2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Activity Assay (AcA) |

## Product Details

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| Sequence: | DTTQSLK QLEERAARNV SQVSKNLESH HGDQMAQKSQ STQISQELEE LRAEQQRLKS QDLELSWNLN GLQADLSSFK SQELNERNEA SDLLERLREE VTKLRMELQV SSGFVCNTCP EKWINFQRKC YYFGKGTKQW VHARYACDDM EGQLVSIHSP EEQDFLTKHA SHTGSWIGLR NLDLKGEFIW VDGSHVDYSN WAPGEPTSRS QGEDCVMMRG SGRWNDAFCD RKLGAWVCDR LATCTPPASE GSAESMGPDS RPDPDGRLPT PSAPLHS |
| Purity: | > 90% by SDS-PAGE |
| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |
| Biological Activity Comment: | Measured by its binding ability in a functional ELISA with Human IgE. The ED50 range ≤ 15 ug/ml. |

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## Target Details

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| Target: | FCER2 |
| Alternative Name: | CD23/FCER2 (FCER2 Products) |
| Background: | CD23/FCER2, also known as low affinity immunoglobulin epsilon Fc receptor isoform a, is a member of subgroup II of the C-type (Ca++-dependent) lectin superfamily. It is a low affinity receptor for B cell specific antigen and IgE. Unlike many of the antibody receptors, CD23 is a C-type lectin. It is found on mature B cells, activated macrophages, eosinophils, follicular dendritic cells, and platelets. It plays an essential role in the growth and differentiation of B cells, and in the regulation of IgE production. This protein also exists in a soluble secretion form and functions as a powerful cleavage-promoting growth factor. Increased levels of soluble CD23/FCER2 lead to the recruitment of unaffected B cells in the presentation of antigen peptides to allergen-specific B cells. Recombinant human CD23/FCER2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Molecular Weight: | 32 kDa (283aa) |
| NCBI Accession: | NP_001993 |
| Pathways: | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |

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