

## Datasheet for ABIN2469081 **FCER2 Protein (Soluble)**



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### Overview

|                          |                            |
|--------------------------|----------------------------|
| Quantity:                | 0.005 mg                   |
| Target:                  | FCER2                      |
| Protein Characteristics: | Soluble                    |
| Origin:                  | Human                      |
| Source:                  | Escherichia coli (E. coli) |
| Protein Type:            | Recombinant                |

### Product Details

|                  |  |
|------------------|--|
| Sequence:        | MELQVSSGFV CNTCPEKWIN FQRKCYFYGK GTKQVWHARY ACDDMEGQLV SIHSPPEEQDF<br>LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN<br>DAFCDRKLG A WWC DRLATCT PPASEGSAES MGPDSRPDPD GRLPTPSAPL HS |
| Purity:          | < 96 % by SDS-PAGE gel and HPLC analyses.  |
| Endotoxin Level: | Endotoxin level is less than 0.1 ng per µg (1 EU/µg).  |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | FCER2   |
| Alternative Name: | CD23 ( <a href="#">FCER2 Products</a> )   |
| 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 cleavage of membrane bound CD23. The predominant soluble form of CD23 (sCD23) consists |

## Target Details

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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. Recombinant human sCD23 is a 19.2 kDa non-glycosylated protein containing 172 amino-acid residues.

|                 |  |
|-----------------|--|
| Gene ID:        | 2208   |
| NCBI Accession: | <a href="#">NP_001207429</a>   |
| OMIM:           | 334085203  |
| UniProt:        | <a href="#">P06734</a>   |
| Pathways:       | <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> |

## Application Details

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|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
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## Handling

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|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Handling Advice: | As with any protein, exposing Soluble CD23 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature. |
| Storage:         | -20 °C  |
| Storage Comment: | The recombinant protein is stable for at least 2 years from date of receipt at -20 °C.<br>Reconstituted Soluble CD23 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.            |
| Expiry Date:     | 24 months   |