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Datasheet for ABIN2719909

## EBI3 Protein (His tag)

### 1 Publication

#### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 10 µg  |
| Target:                       | EBI3 (IL-27b)  |
| Origin:                       | Human  |
| Source:                       | CHO Cells  |
| Protein Type:                 | Recombinant  |
| Biological Activity:          | Active   |
| Purification tag / Conjugate: | This EBI3 protein is labelled with His tag.  |
| Application:                  | Functional Studies (Func), Antibody Production (AbP), Protein Interaction (PI), Standard (STD) |

#### Product Details

|                              |   |
|------------------------------|---|
| Specificity:                 | Optimal preservation of protein structure, post-translational modifications and functions.  |
| Characteristics:             | <ul style="list-style-type: none"><li>• Recombinant human EBI3 / IL27B protein expressed in CHO cells.</li><li>• Produced with end-sequenced ORF clone</li><li>• Tested for bioactivity.</li></ul>  |
| Purity:                      | > 95 % , as determined by Coomassie stained SDS-PAGE.   |
| Endotoxin Level:             | Less than 0.01 ng per µg protein as determined by the LAL method.   |
| Biological Activity Comment: | The ED50 is 60 - 90 ng/ml, corresponding to a specific activity of 1.1 - 1.7 x 10 <sup>4</sup> units/mg, determined by mouse splenocytes IL-2 inhibition induced by hIL-27 in mouse splenocytes activated with anti-CD3 and anti-CD28 antibodies. |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | EBI3 (IL-27b)   |
| Alternative Name: | Ebi3,il27b ( <a href="#">IL-27b Products</a> )  |
| Target Type:      | Viral Protein   |
| Background:       | This gene was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection. It encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4+ T cells. |
| Molecular Weight: | 50 kDa  |
| NCBI Accession:   | <a href="#">NP_005746</a>   |

## Application Details

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|                    |   |
|--------------------|---|
| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays<br>Protein-protein interaction<br>In vitro biochemical assays and cell-based functional assays |
| Comment:           | The tag is located at the C-terminal.   |
| Restrictions:      | For Research Use only   |

## Handling

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|                  |   |
|------------------|---|
| Concentration:   | > 50 µg/mL  |
| Buffer:          | 20 mM NaHPO <sub>4</sub> , pH 6, 0.60 M NaCl.   |
| Storage:         | -80 °C  |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

## Publications

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|                   |   |
|-------------------|---|
| Product cited in: | Liberman, Gandin, Svitkin, David, Virgili, Jaramillo, Holcik, Nagar, Kimchi, Sonenberg: "DAP5 associates with eIF2β and eIF4A1 to promote Internal Ribosome Entry Site driven translation." in: <b>Nucleic acids research</b> , Vol. 43, Issue 7, pp. 3764-75, (2015) ( <a href="#">PubMed</a> ). |
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