

Datasheet for ABIN7505023

Interleukin 35 Protein (IL35) (AA 21-229) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | Interleukin 35 (IL35) |
| Protein Characteristics: | AA 21-229 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Interleukin 35 protein is labelled with His tag. |

Product Details

| | |
|------------------|--|
| Sequence: | Arg21-Lys229&(GGGGS)3&Arg23-Ser219 |
| Characteristics: | A DNA sequence encoding the Human IL-35 protein (Q14213&P29459) (Arg21-Lys229&(GGGGS)3&Arg23-Ser219) was expressed with a N-His. |
| Purity: | > 90 % as determined by reducing SDS-PAGE. |

Target Details

| | |
|-------------------|---|
| Target: | Interleukin 35 (IL35) |
| Alternative Name: | IL-35 (IL35 Products) |
| Background: | <p>Abbreviation: IL-35</p> <p>Target Synonym: IL-27 subunit beta, IL-27B, Epstein-Barr virus-induced gene 3 protein, EBV-induced gene 3 protein</p> <p>Background: Associates with IL27 to form the IL-27 interleukin, a heterodimeric cytokine which</p> |

Target Details

functions in innate immunity. IL-27 has pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T-helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN-gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines.

Molecular Weight: Calculated MW: 49.5 kDa
Observed MW: 55 kDa

UniProt: [Q14213](#), [P29459](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months