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Datasheet for ABIN5608463

IL-37 Protein (partial) (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | IL-37 (IL37) |
| Protein Characteristics: | partial |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL-37 protein is labelled with His tag. |
| Application: | Western Blotting (WB) |

Product Details

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|------------------|---|
| Sequence: | Val 46 - Asp 218 |
| Purity: | >95 % as determined by SDS-PAGE. |
| Endotoxin Level: | Endotoxin level is less than 1.0 EU per ug by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | IL-37 (IL37) |
| Alternative Name: | IL-37 (IL37 Products) |
| Background: | Interleukin-1 family member 7 (IL1F7b) ,a member of the IL-1 family, is aslo known as interleukin-37, interleukin-1 homolog 4 (IL-1H4), interleukin-1 zeta (IL-1 zeta) and interleukin-1-related protein, which can interact with SMAD3 and bind to IL18R1, but not to IL1R1, with lower affinity than IL18. IL1F7b is a suppressor of innate inflammatory and immune responses |

Target Details

involved in curbing excessive inflammation. This function requires SMAD3. Therefore,IL1F7b can suppress, or reduce, proinflammatory cytokine production, including IL1A and IL6, as well as CCL12, CSF1, CSF2, CXCL13, IL1B, IL23A and IL1RN, but spare anti-inflammatory cytokines. Furthermore,IL1F7b can also inhibit dendritic cell activation.

Molecular Weight: 20.3 kDa

Gene ID: 27178

Application Details

Application Notes: This recombinant protein can be used for WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C,-80 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.