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## IL1A Protein (AA 1-270) (His tag)



#### Overview

| Quantity:                     | 100 μg                                      |
|-------------------------------|---|
| Target:                       | IL1A  |
| Protein Characteristics:      | AA 1-270                                    |
| Origin:                       | Mouse                                       |
| Source:                       | Escherichia coli (E. coli)                  |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This IL1A protein is labelled with His tag. |

### **Product Details**

| Sequence:        | Met 1-Ser 270  |
|------------------|--|
| Characteristics: | A DNA sequence encoding the Mouse IL1A/IL-1A/IL-1F1 protein (P01582) (Met 1-Ser 270) was expressed with a C-His tag. |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.   |

## Target Details

| Target:           | IL1A   |
|-------------------|--|
| Alternative Name: | IL1A (IL1A Products)   |
| Background:       | Abbreviation: IL1A,IL-1A,IL-1F1  |
|                   | Target Synonym: Interleukin-1 Alpha,IL-1 Alpha,II1a  |
|                   | Background: Mouse Interleukin-1 (IL-1) designates two proteins, IL-1 $\alpha$ and IL-1 $\beta$ , which are the |
|                   | products of distinct genes, but recognize the same cell surface receptors, IL-1g and IL-1B are                 |

### **Target Details**

| structurally related polypeptides that show approximately 25 % homology at the amino acid         |
|---|
| level. Both proteins are produced by a wide variety of cells in response to stimuli such as those |
| produced by inflammatory agents, infections, or microbial endotoxins. The proteins are            |
| synthesized as 31 kDa precursors that are subsequently cleaved into proteins with molecular       |
| weights of approximately 17.5 kDa.  |
|   |

Molecular Weight:

Calculated MW: 29.59 kDa

Observed MW: 35 kDa

UniProt:

P01582

Pathways:

NF-kappaB Signaling, Autophagy, Cancer Immune Checkpoints

## **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  |